Maths Topics

Homework Sheets

for Year 3

Version 1.0

by

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Introduction

Welcome to the **Maths Topics Homework Sheets for Year 3** PDF book, a resource designed to cover your entire maths homework requirement for Year 3.

This practical learning tool includes 40 single-sided homework sheets, covering topics on the Year 3 National Curriculum. We recommend one homework sheet to be set each week, with any remaining sheets to be set as holiday homework.

As the year progresses, pupils could put their completed sheets into a homework file or folder, hence providing a full homework record for every pupil in your Year 3 class.

Alternatively, the PDF book could be printed out and stapled or ring-bound to make a complete book for each pupil.

The sheets can be tackled in any order depending upon your own scheme of work for Year 3. They appear in this book broadly in the order in which the topics are listed in the National Curriculum.

Answers are also provided in the form of fully filled-in sheets. This should make marking easy and also allows for the relevant page to be projected onto a screen in your classroom to allow for peer marking.

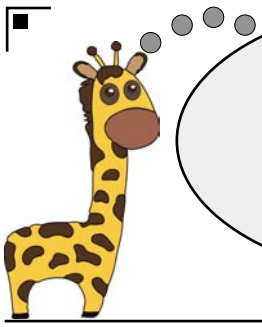
We hope that your pupils enjoy and benefit from the material in this book.

Details of our other fantastic mathematics resources can be found on our website:

www.mentalstarters.co.uk

Topic Contents

Answer sheets follow the question sheets.



Maths Homework this week is about:

Counting in Multiples

Name:

Date:

Teacher:

Year 3

(1) For each question, write your answers in the boxes below:

(a) Count up in multiples of 4.

0	4						

(b) Count up in multiples of 8.

0	8						

(c) Count up in multiples of 50.

0	50						

(d) Count up in multiples of 100.

0	100						

(2) Find the next three multiples of 4.

28			

(3) Find the next three multiples of 8.

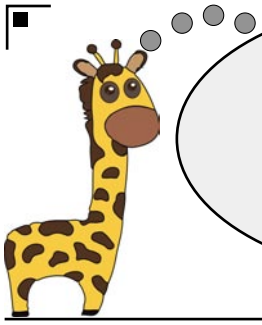
56			

(4) Find the next three multiples of 50.

350			

(5) Find the next three multiples of 100.

700			



Maths Homework this week is about:

Finding 10 or 100 More, or Less

Name:

Date:

Teacher:

Year 3

(1) Add 10 to each number.

(a) + 10 → 19 = ____

(b) + 10 → 47 = ____

(c) + 10 → 83 = ____

(d) + 10 → 253 = ____

(e) + 10 → 461 = ____

(f) + 10 → 694 = ____

(2) Subtract 10 from each number.

(a) - 10 → ____ = 48

(b) - 10 → ____ = 23

(c) - 10 → ____ = 85

(d) - 10 → ____ = 204

(e) - 10 → ____ = 467

(f) - 10 → ____ = 732

(3) Add 100 to each number.

(a) + 100 → 147 = ____

(b) + 100 → 485 = ____

(c) + 100 → 826 = ____

(d) + 100 → 1 637 = ____

(e) + 100 → 2 241 = ____

(f) + 100 → 4 983 = ____

(4) Subtract 100 from each number.

(a) - 100 → ____ = 317

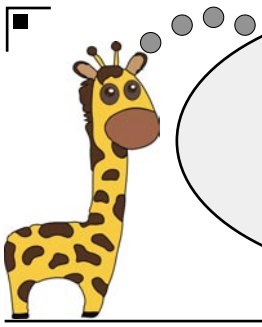
(b) - 100 → ____ = 681

(c) - 100 → ____ = 1 028

(d) - 100 → ____ = 1 534

(e) - 100 → ____ = 2 235

(f) - 100 → ____ = 3 509



Maths Homework this week is about:

Place Value

Name:

Date:

Teacher:

Year 3

For each number, give the value of the digit indicated, both in words, and using digits.

(eg) 3 **4** 2

four tens

40

(1) **7** 4 3

(2) 8 0 **6**

(3) 9 3 **1**

(4) 2 **9** 2

(5) **8** 6 9

(6) 5 **7** 8

(7) 4 2 **3**

(8) **5** 8 1

(9) **9** 1 2

(10) **2** 5 7

(11) 8 **2** 4

(12) 3 **5** 6

(13) **4** 2 3

(14) 2 9 **8**

(15) 8 3 **4**

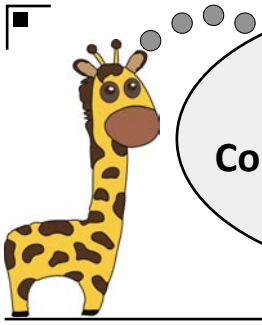
(16) 7 **6** 0

(17) 1 4 **2**

(18) **6** 0 4

(19) 1 5 **7**

(20) 6 **3** 5



Maths Homework this week is about:

Comparing and Ordering Numbers

Name:

Date:

Teacher:

Year **3**

(1) Put each set of numbers in order from lowest to highest.

(a) 14 11 17 18 — In order

(b) 29 22 27 24 — In order

(c) 56 53 59 51 — In order

(d) 82 84 81 88 — In order

(e) 58 62 23 47 — In order

(f) 65 33 72 41 — In order

(g) 182 176 171 180 — In order

(h) 256 275 293 248 — In order

(i) 398 399 317 306 — In order

(j) 158 359 147 345 — In order

(k) 724 693 379 482 — In order

(l) 374 196 789 523 — In order

(2) Draw a circle around the biggest number in each question.

(a) 37 29 46 19

(b) 81 24 42 63

(c) 28 83 46 61

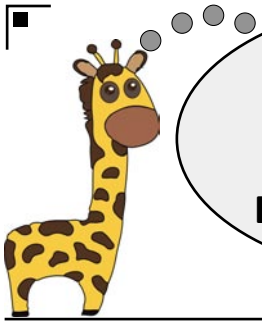
(d) 91 76 95 59

(e) 146 395 237 410

(f) 529 763 686 321

(g) 463 436 364 346

(h) 809 729 384 814



Maths Homework this week is about:

Representing and Estimating Numbers

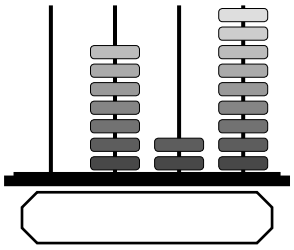
Name:

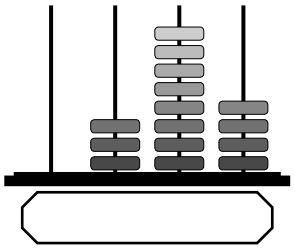
Date:

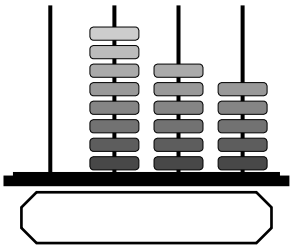
Teacher:

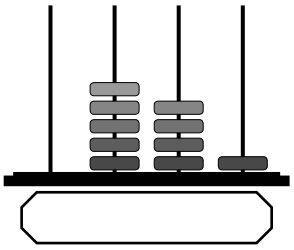
Year 3

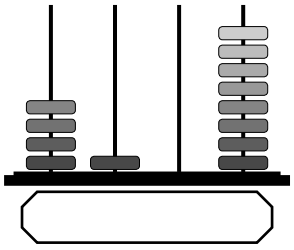
(1) Say which number is shown on each abacus.

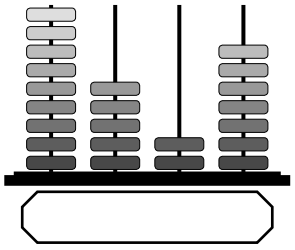
(a) 

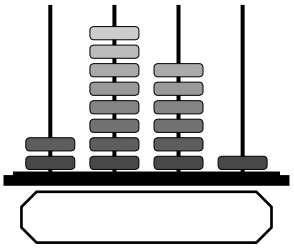
(b) 

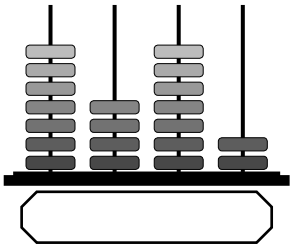
(c) 

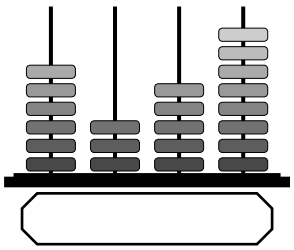
(d) 

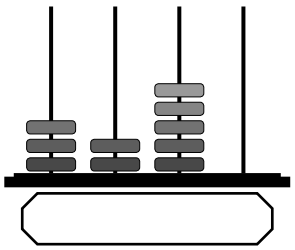
(e) 

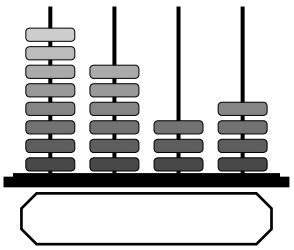
(f) 

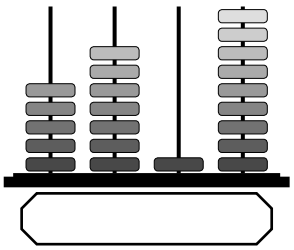
(g) 

(h) 

(i) 

(j) 

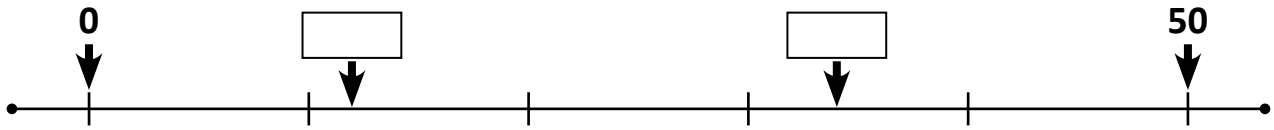
(k) 

(l) 

(2) Estimate which whole numbers the arrows are pointing to on each of these number lines.

(a) 

(b) 

(c) 

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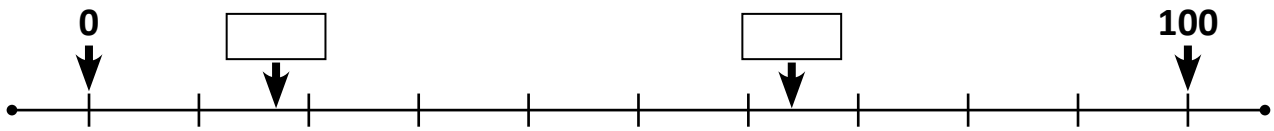
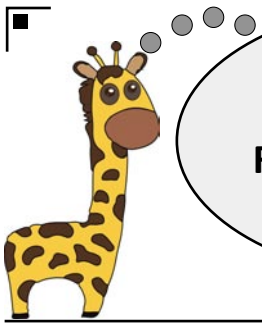
(e) 



Maths Homework this week is about:

Reading and Writing Numbers

Name:

Date:

Teacher:

Year 3

(1) Write each of these numbers in figures. Write each answer in the box.

(a) **Twenty Seven** ☐

(b) **Fifty Six** ☐

(c) **Two hundred and forty eight** ☐

(d) **Eight hundred and thirty eight** ☐

(e) **Five hundred and thirteen** ☐

(f) **Nine hundred and seventy six** ☐

(g) **Seven hundred and twenty one** ☐

(h) **Three hundred and forty five** ☐

(i) **One hundred and ninety nine** ☐

(j) **Six hundred and fifty two** ☐

(2) Write each of these words in figures. Write each answer on the sign.

(a) ☐ **39**

(b) ☐ **92**

(c) ☐ **171**

(d) ☐ **426**

(e) ☐ **393**

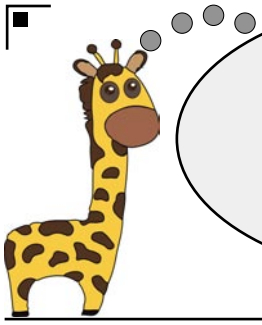
(f) ☐ **572**

(g) ☐ **217**

(h) ☐ **650**

(i) ☐ **935**

(j) ☐ **888**



Maths Homework this week is about:

Solving Number Problems

Name:

Date:

Teacher:

Year 3

(1) For each set of signs, draw a ring around the sign which contains a multiple of 4.

(a) 10 12 14

(b) 8 9 10

(c) 30 32 34

(d) 38 39 40

(e) 22 24 26

(f) 44 45 46

(2) For each set of signs, draw a ring around the sign which contains a multiple of 8.

(a) 12 14 16

(b) 38 40 42

(c) 24 26 28

(d) 30 32 34

(e) 56 58 60

(f) 68 70 72

(3) In each question, use all the digits once each to make the largest number you can.

(a) 3 6 9 1 — Largest number: ____

(b) 1 2 3 5 — Largest number: ____

(c) 3 8 2 7 — Largest number: ____

(d) 8 4 5 2 — Largest number: ____

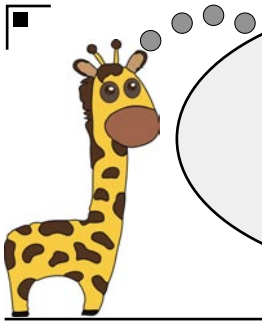
(e) 3 8 6 2 — Largest number: ____

(f) 1 5 2 9 — Largest number: ____

(g) 7 2 3 4 — Largest number: ____

(h) 1 5 9 3 — Largest number: ____

(i) 8 9 5 3 — Largest number: ____



Maths Homework this week is about:

Adding Numbers Mentally

Name:

Date:

Teacher:

Year 3

For all the questions on this sheet, try to work out the answers in your head.

(1) For each question, add the three numbers in the circles. Write your answer in the triangle.

(a) 11, 9, 17

(b) 8, 6, 13

(c) 20, 14, 19

(d) 16, 13, 10

(e) 14, 9, 22

(f) 7, 12, 15

(g) 9, 12, 19

(h) 16, 17, 18

(i) 20, 14, 12

(j) 25, 30, 15

(2) For each question, add the two numbers on the signs. Write your answer in the top sign.

(a) 23, 74

(b) 37, 37

(c) 42, 39

(d) 49, 19

(e) 28, 52

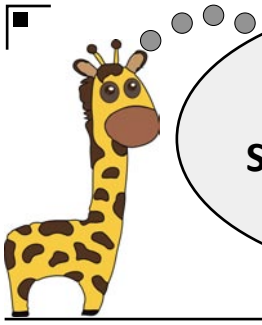
(f) 28, 63

(g) 48, 51

(h) 62, 26

(i) 71, 16

(j) 41, 34



Maths Homework this week is about:

Subtracting Numbers Mentally

Name:

Date:

Teacher:

Year 3

For all the questions on this sheet, try to work out the answers in your head.

(1) Find the answer to each subtraction question. Write your answer in the box.

(a) **28 - 9** (b) **37 - 8** (c) **53 - 5** (d) **49 - 6**

(e) **62 - 7** (f) **83 - 8** (g) **96 - 12** (h) **72 - 10**

(i) **58 - 11** (j) **87 - 15** (k) **67 - 17** (l) **91 - 19**

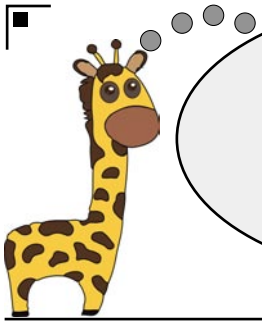
(2) Find the answer to each of these subtraction questions. Write your answer in the box.

(a) **62 - 34 =** (b) **71 - 56 =** (c) **82 - 29 =**

(d) **77 - 45 =** (e) **62 - 56 =** (f) **87 - 43 =**

(g) **59 - 27 =** (h) **73 - 51 =** (i) **85 - 39 =**

(j) **68 - 48 =** (k) **96 - 29 =** (l) **84 - 66 =**



Maths Homework this week is about:

Adding Numbers

Name:

Date:

Teacher:

Year 3

Add each pair of numbers, showing your working.

(1)
$$\begin{array}{r} 24 \\ +\ 53 \\ \hline \\ \hline \end{array}$$

(2)
$$\begin{array}{r} 36 \\ +\ 23 \\ \hline \\ \hline \end{array}$$

(3)
$$\begin{array}{r} 83 \\ +\ 55 \\ \hline \\ \hline \end{array}$$

(4)
$$\begin{array}{r} 36 \\ +\ 57 \\ \hline \\ \hline \end{array}$$

(5)
$$\begin{array}{r} 29 \\ +\ 47 \\ \hline \\ \hline \end{array}$$

(6)
$$\begin{array}{r} 78 \\ +\ 68 \\ \hline \\ \hline \end{array}$$

(7)
$$\begin{array}{r} 325 \\ +\ 524 \\ \hline \\ \hline \end{array}$$

(8)
$$\begin{array}{r} 381 \\ +\ 416 \\ \hline \\ \hline \end{array}$$

(9)
$$\begin{array}{r} 645 \\ +\ 227 \\ \hline \\ \hline \end{array}$$

(10)
$$\begin{array}{r} 437 \\ +\ 458 \\ \hline \\ \hline \end{array}$$

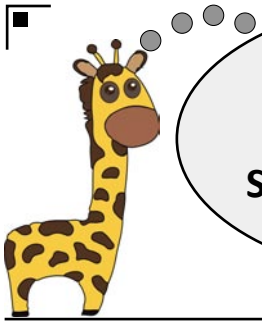
(11)
$$\begin{array}{r} 492 \\ +\ 255 \\ \hline \\ \hline \end{array}$$

(12)
$$\begin{array}{r} 584 \\ +\ 165 \\ \hline \\ \hline \end{array}$$

(13)
$$\begin{array}{r} 795 \\ +\ 286 \\ \hline \\ \hline \end{array}$$

(14)
$$\begin{array}{r} 468 \\ +\ 786 \\ \hline \\ \hline \end{array}$$

(15)
$$\begin{array}{r} 687 \\ +\ 938 \\ \hline \\ \hline \end{array}$$



Maths Homework this week is about:

Subtracting Numbers

Name:

Date:

Teacher:

Year 3

Subtract each pair of numbers, showing your working.

(1)
$$\begin{array}{r} 76 \\ -\ 34 \\ \hline \\ \hline \end{array}$$

(2)
$$\begin{array}{r} 98 \\ -\ 27 \\ \hline \\ \hline \end{array}$$

(3)
$$\begin{array}{r} 68 \\ -\ 19 \\ \hline \\ \hline \end{array}$$

(4)
$$\begin{array}{r} 73 \\ -\ 57 \\ \hline \\ \hline \end{array}$$

(5)
$$\begin{array}{r} 82 \\ -\ 38 \\ \hline \\ \hline \end{array}$$

(6)
$$\begin{array}{r} 67 \\ -\ 39 \\ \hline \\ \hline \end{array}$$

(7)
$$\begin{array}{r} 586 \\ -\ 321 \\ \hline \\ \hline \end{array}$$

(8)
$$\begin{array}{r} 846 \\ -\ 312 \\ \hline \\ \hline \end{array}$$

(9)
$$\begin{array}{r} 764 \\ -\ 327 \\ \hline \\ \hline \end{array}$$

(10)
$$\begin{array}{r} 835 \\ -\ 518 \\ \hline \\ \hline \end{array}$$

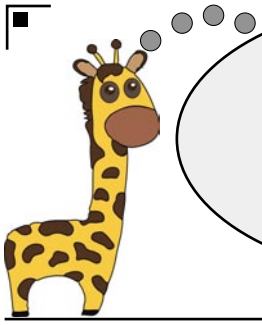
(11)
$$\begin{array}{r} 936 \\ -\ 357 \\ \hline \\ \hline \end{array}$$

(12)
$$\begin{array}{r} 743 \\ -\ 555 \\ \hline \\ \hline \end{array}$$

(13)
$$\begin{array}{r} 693 \\ -\ 498 \\ \hline \\ \hline \end{array}$$

(14)
$$\begin{array}{r} 845 \\ -\ 672 \\ \hline \\ \hline \end{array}$$

(15)
$$\begin{array}{r} 536 \\ -\ 278 \\ \hline \\ \hline \end{array}$$



Maths Homework this week is about:

Estimating Answers

Name:

Date:

Teacher:

Year 3

For each question, round the amount of money to the nearest £1.

Then use the rounded answers to find an approximate answer to the calculation.

(eg) **£1.96 + £3.17**

Rounded:

£2 + £3

= £5

(1) **£3.14 + £4.02**

Rounded:

____ + ____

= ____

(2) **£4.89 + £5.79**

Rounded:

____ + ____

= ____

(3) **£7.77 + £9.18**

Rounded:

____ + ____

= ____

(4) **£12.36 + £13.81**

Rounded:

____ + ____

= ____

(5) **£11.84 + £12.27**

Rounded:

____ + ____

= ____

(6) **£16.23 + £8.59**

Rounded:

____ + ____

= ____

(7) **£17.23 + £12.80**

Rounded:

____ + ____

= ____

(8) **£22.76 + £18.14**

Rounded:

____ + ____

= ____

(9) **£21.21 + £29.29**

Rounded:

____ + ____

= ____

(10) **£137.96 + £110.59**

Rounded:

____ + ____

= ____

(11) **£330.88 + £116.51**

Rounded:

____ + ____

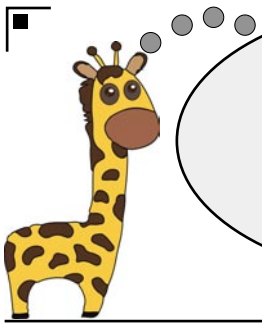
= ____

(12) **£214.19 + £538.99**

Rounded:

____ + ____

= ____



Maths Homework this week is about:

Missing Number Problems

Name:

Date:

Teacher:

Year 3

(1) Say how big each jump is. Write your answers in the circles.

(a) 12 → ○ → 27

(b) 8 → ○ → 29

(c) 16 → ○ → 38

(d) 17 → ○ → 44

(e) 8 → ○ → 50

(f) 19 → ○ → 48

(g) 37 → ○ → 84

(h) 41 → ○ → 94

(2) Fill in the missing numbers in each of these addition questions.

(a) ☐ + 17 = 30

(b) ☐ + 14 = 33

(c) 29 + ☐ = 43

(d) ☐ + 24 = 46

(e) 36 + ☐ = 57

(f) 29 + ☐ = 64

(g) ☐ + 41 = 83

(h) 36 + ☐ = 73

(i) ☐ + 43 = 92

(j) ☐ + 65 = 94

(3) Fill in the missing numbers in each of these subtraction questions.

(a) 36 - ☐ = 17

(b) ☐ - 23 = 25

(c) ☐ - 23 = 41

(d) 59 - ☐ = 23

(e) 76 - ☐ = 34

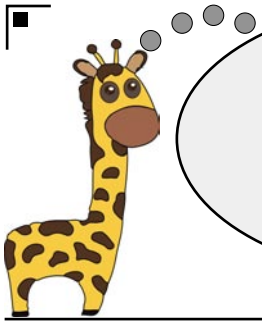
(f) ☐ - 63 = 19

(g) 78 - ☐ = 47

(h) 52 - ☐ = 41

(i) ☐ - 52 = 29

(j) 66 - ☐ = 28



Maths Homework this week is about:

3, 4, and 8 Times Tables

Name:

Date:

Teacher:

Year 3

(1) Multiply or divide each number by **3**, as asked.

(a) $5 \times 3 =$ ☐

(b) $6 \div 3 =$ ☐

(c) $9 \div 3 =$ ☐

(d) $8 \times 3 =$ ☐

(e) $9 \times 3 =$ ☐

(f) $18 \div 3 =$ ☐

(g) $4 \times 3 =$ ☐

(h) $11 \times 3 =$ ☐

(i) $21 \div 3 =$ ☐

(j) $36 \div 3 =$ ☐

(2) Multiply or divide each number by **4**, as asked.

(a) $2 \times 4 =$ ☐

(b) $4 \times 4 =$ ☐

(c) $24 \div 4 =$ ☐

(d) $3 \times 4 =$ ☐

(e) $5 \times 4 =$ ☐

(f) $40 \div 4 =$ ☐

(g) $32 \div 4 =$ ☐

(h) $28 \div 4 =$ ☐

(i) $9 \times 4 =$ ☐

(j) $44 \div 4 =$ ☐

(3) Multiply or divide each number by **8**, as asked.

(a) $32 \div 8 =$ ☐

(b) $5 \times 8 =$ ☐

(c) $7 \times 8 =$ ☐

(d) $48 \div 8 =$ ☐

(e) $24 \div 8 =$ ☐

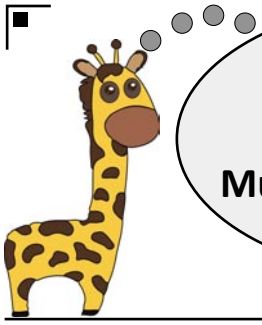
(f) $16 \div 8 =$ ☐

(g) $8 \times 8 =$ ☐

(h) $9 \times 8 =$ ☐

(i) $96 \div 8 =$ ☐

(j) $11 \times 8 =$ ☐



Maths Homework this week is about:

Multiplication Problems

Name:

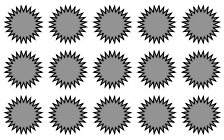
Date:

Teacher:

Year 3

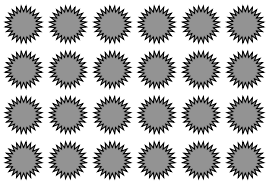
(1) Write a multiplication statement to work out the number of stars in each diagram. Then find the answer to each statement.

(a)



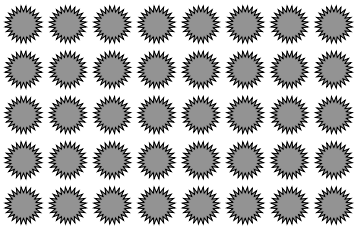
□ × □ = □

(b)



□ × □ = □

(c)



□ × □ = □

(2) Multiply the pair of numbers in each traffic light. Write your answer in the bottom light.

(a)

(b)

(c)

(d)

(e)

(f)

(3) Find the missing numbers in each of these multiplication questions.

(a) □ × 4 = 28

(b) 3 × □ = 21

(c) 12 × □ = 96

(d) □ × 8 = 48

(e) 5 × □ = 15

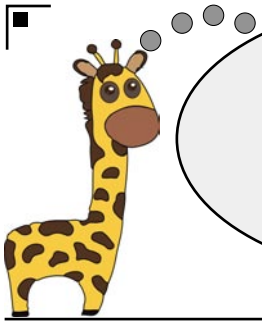
(f) 4 × □ = 16

(g) □ × 8 = 16

(h) □ × 8 = 24

(i) 4 × □ = 44

(j) □ × 8 = 80



Maths Homework this week is about:

Division Problems

Name:

Date:

Teacher:

Year **3**

(1) Find the missing numbers in each of these division questions.

(a) 55 ÷ ☐ = 11

(b) ☐ ÷ 8 = 12

(c) ☐ ÷ 3 = 9

(d) 30 ÷ ☐ = 6

(e) 56 ÷ ☐ = 7

(f) ☐ ÷ 8 = 8

(g) ☐ ÷ 5 = 12

(h) 21 ÷ ☐ = 7

(i) 30 ÷ ☐ = 10

(j) 72 ÷ ☐ = 9

(2) Find which number you must divide the first weight by to get the second weight.

(a) 600 g ÷ ☐ = 120 g

(b) 450 g ÷ ☐ = 150 g

(c) 800 g ÷ ☐ = 400 g

(d) 720 g ÷ ☐ = 120 g

(e) 400 g ÷ ☐ = 50 g

(f) 960 g ÷ ☐ = 120 g

(g) 170 g ÷ ☐ = 17 g

(h) 330 g ÷ ☐ = 110 g

(i) 100 g ÷ ☐ = 25 g

(j) 560 g ÷ ☐ = 56 g

(3) 45 sweets were divided equally between 5 children.
How many sweets did each child get?

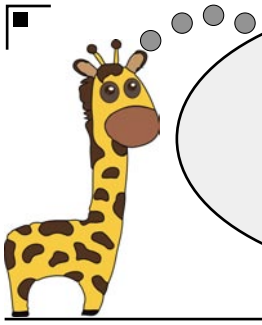
☐ Sweets

(4) A pupil walked 15 miles in 3 days.
If she walked the same distance each day,
how many miles per day did she walk?

☐ Miles

(5) There were 88 pens in 8 packs.
If each pack has the same number of pens,
how many were in each one?

☐ Pens



Maths Homework this week is about:

Introducing Tenths

Name:

Date:

Teacher:

Year **3**

(1) Give the answer to each of these division questions as a fraction.

(a) $2 \div 10 =$ ☐

(b) $8 \div 10 =$ ☐

(c) $5 \div 10 =$ ☐

(d) $9 \div 10 =$ ☐

(e) $6 \div 10 =$ ☐

(f) $3 \div 10 =$ ☐

(g) $4 \div 10 =$ ☐

(h) $1 \div 10 =$ ☐

(i) $7 \div 10 =$ ☐

---

(2) Count up in tenths from each fraction given.

(a) $\frac{2}{10}$ ☐ ☐ ☐

(b) $\frac{6}{10}$ ☐ ☐ ☐

---

(3) Count down in tenths from each fraction given.

(a) ☐ ☐ ☐ $\frac{10}{10}$

(b) ☐ ☐ ☐ $\frac{4}{10}$

Maths Homework this week is about:

Recognising Tenths

Name:

Date:

Teacher:

Year 3

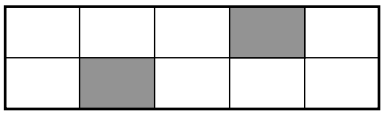
For each shape, give the fraction shaded. Write each answer as a fraction over 10.

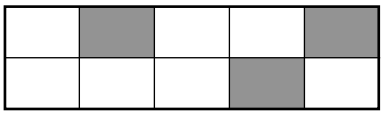
(1)  Fraction shaded

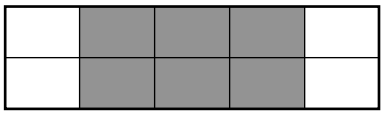
(2)  Fraction shaded

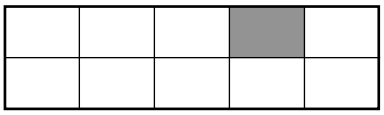
(3)  Fraction shaded

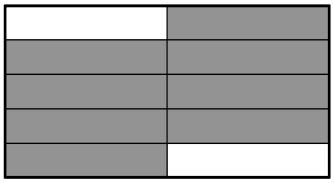
(4)  Fraction shaded

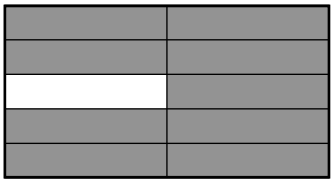
(5)  Fraction shaded

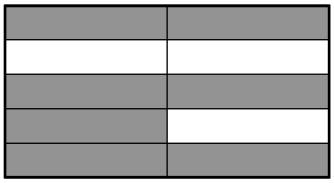
(6)  Fraction shaded

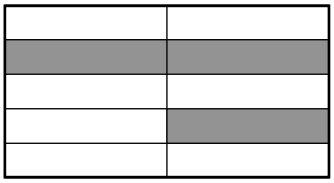
(7)  Fraction shaded

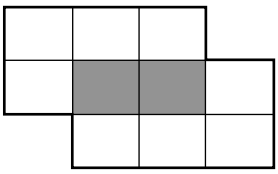
(8)  Fraction shaded

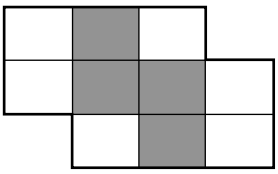
(9)  Fraction shaded

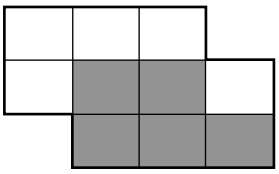
(10)  Fraction shaded

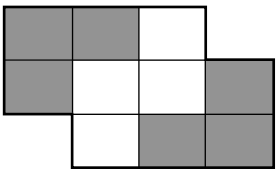
(11)  Fraction shaded

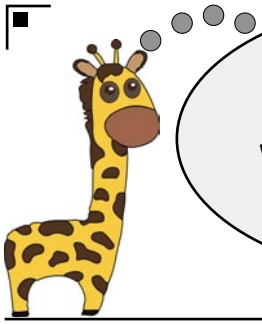
(12)  Fraction shaded

(13)  Fraction shaded

(14)  Fraction shaded

(15)  Fraction shaded

(16)  Fraction shaded



Maths Homework this week is about:

Writing Fractions of Amounts

Name:

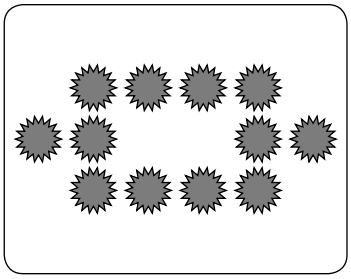
Date:

Teacher:

Year 3

For each set of stars, say how many there are. Then find the fraction of the stars asked.

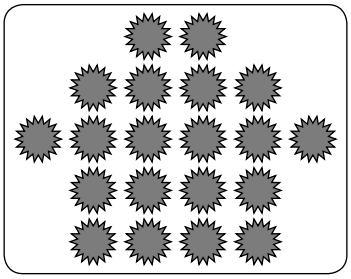
(1)



How many stars? ☐

Find $\frac{1}{3}$ ☐

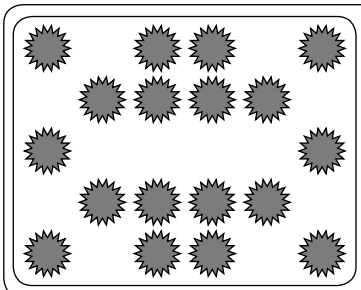
(2)



How many stars? ☐

Find $\frac{1}{4}$ ☐

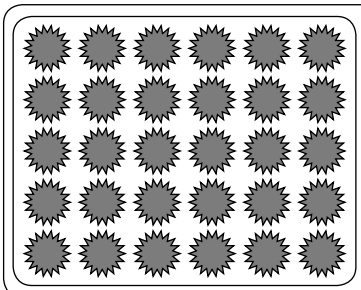
(3)



How many stars? ☐

Find $\frac{1}{2}$ ☐

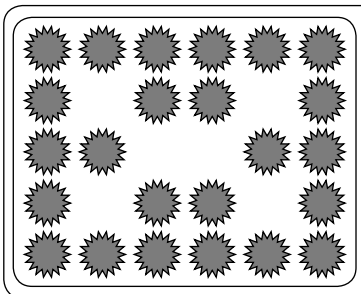
(4)



How many stars? ☐

Find $\frac{1}{6}$ ☐

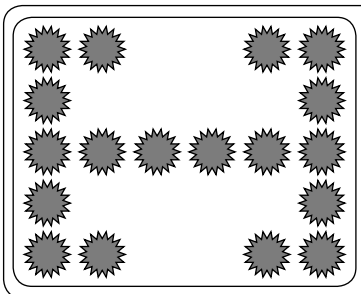
(5)



How many stars? ☐

Find $\frac{1}{8}$ ☐

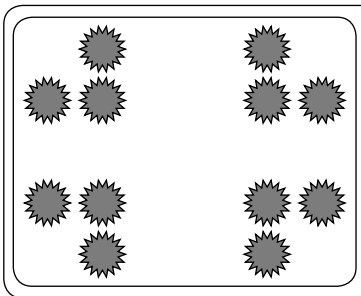
(6)



How many stars? ☐

Find $\frac{1}{9}$ ☐

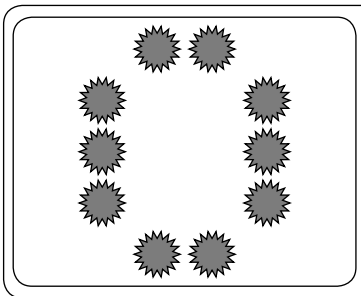
(7)



How many stars? ☐

Find $\frac{2}{3}$ ☐

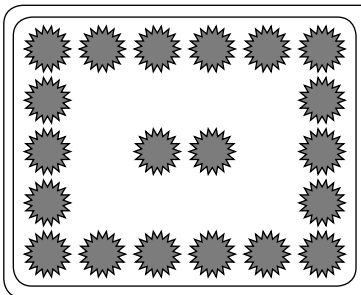
(8)



How many stars? ☐

Find $\frac{2}{5}$ ☐

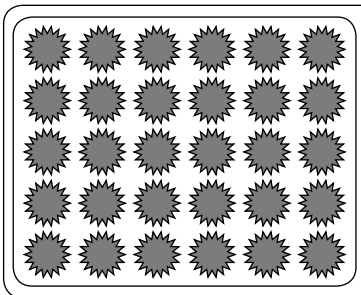
(9)



How many stars? ☐

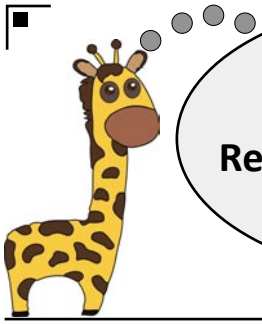
Find $\frac{3}{5}$ ☐

(10)



How many stars? ☐

Find $\frac{3}{10}$ ☐



Maths Homework this week is about:

Recognising Fractions as Numbers

Name:

Date:

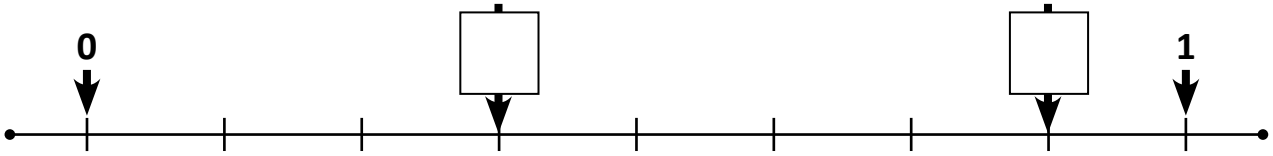
Teacher:

Year 3

(1) Say which fractions the arrows are pointing to on each of these number lines.

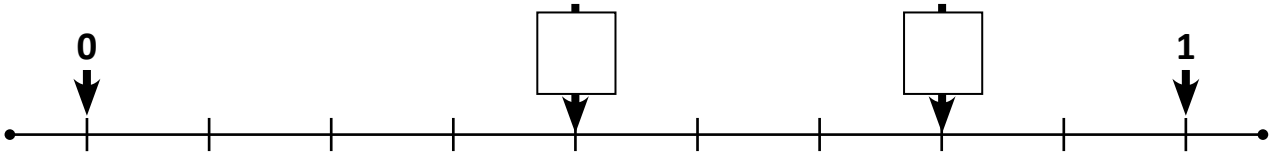
(a)

(b)



(c)

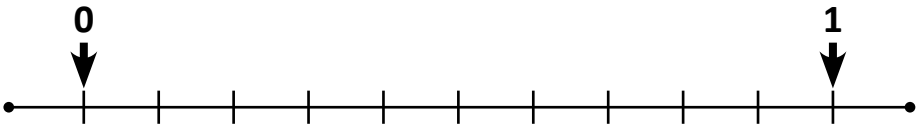
(d)



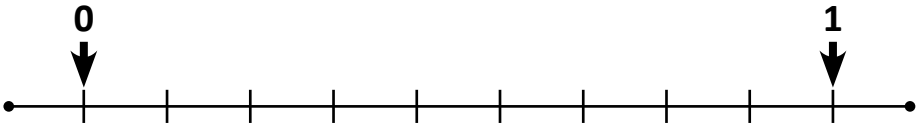
(e)

(2) On each of these number lines, draw an arrow which points to the fraction given.

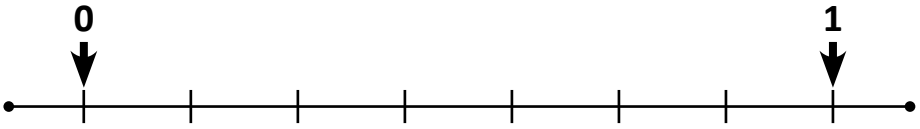
(a) Draw an arrow pointing to: $\frac{1}{10}$



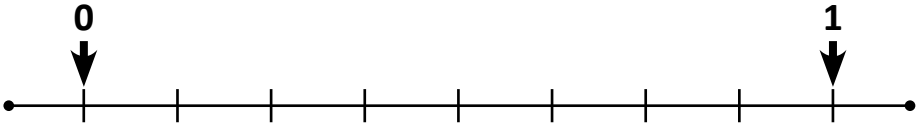
(b) Draw an arrow pointing to: $\frac{5}{9}$



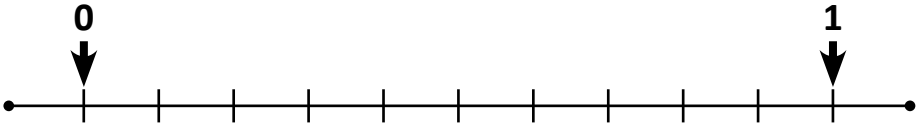
(c) Draw an arrow pointing to: $\frac{4}{7}$



(d) Draw an arrow pointing to: $\frac{5}{8}$



(e) Draw an arrow pointing to: $\frac{7}{10}$



Maths Homework this week is about:

Equivalent Fractions

Name:

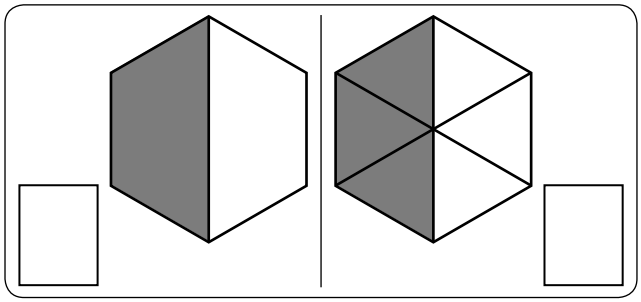
Date:

Teacher:

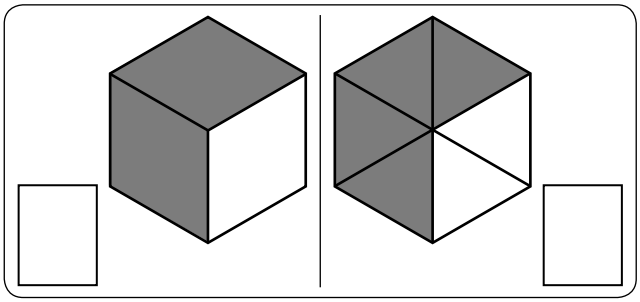
Year **3**

Each question shows two equivalent fractions. Say what fraction of each shape is shaded.
(The bottom number of each fraction should be the total number of sections in the shape).

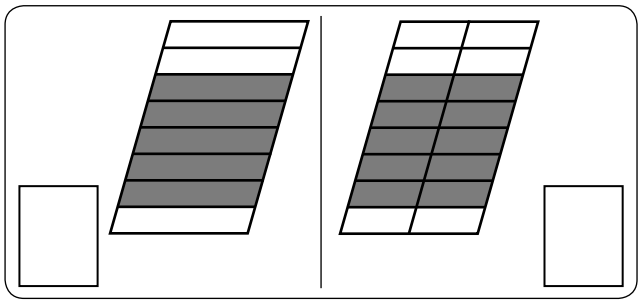
(1)



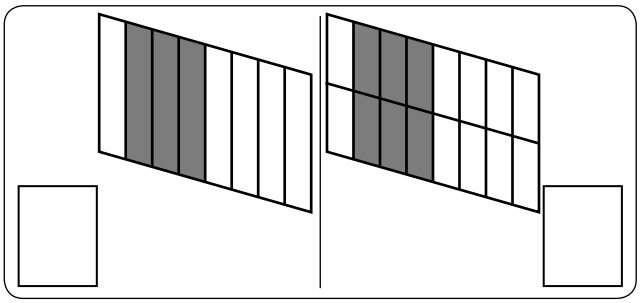
(2)



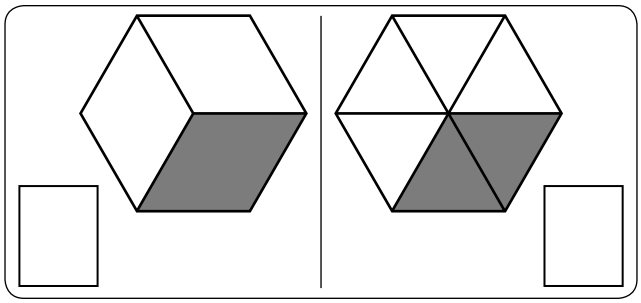
(3)



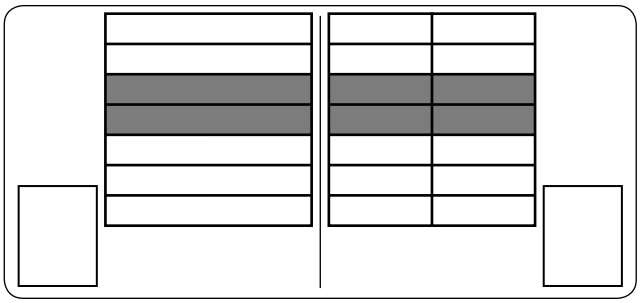
(4)



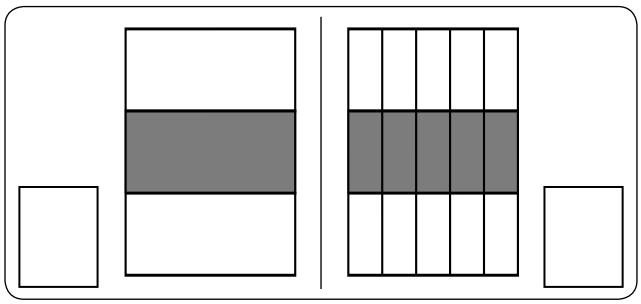
(5)



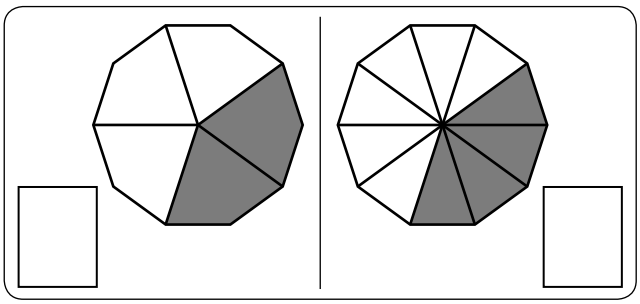
(6)



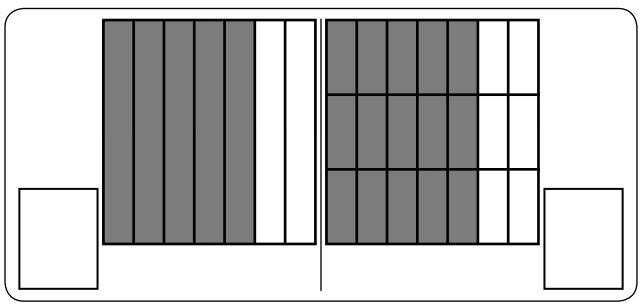
(7)



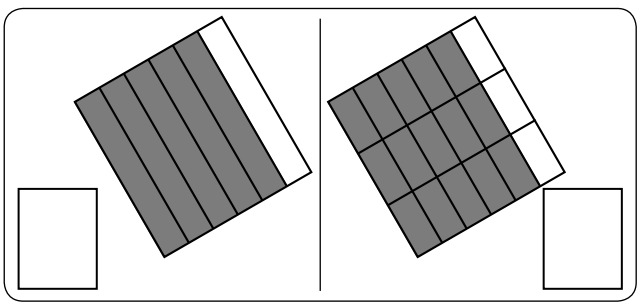
(8)

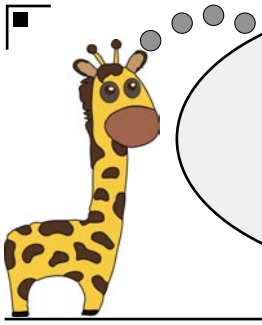


(9)



(10)





Maths Homework this week is about:

Adding Fractions

Name:

Date:

Teacher:

Year 3

Add each pair of fractions and write your answer in the box.

(1) $\frac{1}{5} + \frac{2}{5} = \square$

(2) $\frac{2}{5} + \frac{2}{5} = \square$

(3) $\frac{1}{7} + \frac{3}{7} = \square$

(4) $\frac{1}{8} + \frac{4}{8} = \square$

(5) $\frac{5}{9} + \frac{2}{9} = \square$

(6) $\frac{7}{10} + \frac{2}{10} = \square$

(7) $\frac{3}{12} + \frac{8}{12} = \square$

(8) $\frac{2}{7} + \frac{3}{7} = \square$

(9) $\frac{2}{11} + \frac{8}{11} = \square$

(10) $\frac{2}{12} + \frac{3}{12} = \square$

(11) $\frac{2}{8} + \frac{5}{8} = \square$

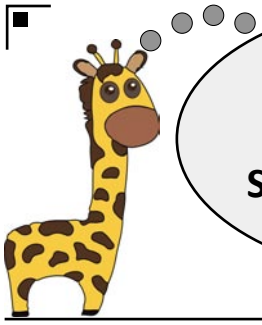
(12) $\frac{6}{11} + \frac{3}{11} = \square$

(13) $\frac{4}{7} + \frac{2}{7} = \square$

(14) $\frac{6}{13} + \frac{3}{13} = \square$

(15) $\frac{2}{15} + \frac{11}{15} = \square$

(16) $\frac{1}{9} + \frac{4}{9} = \square$



Maths Homework this week is about:

Subtracting Fractions

Name:

Date:

Teacher:

Year **3**

Subtract each pair of fractions and write your answer in the box.

(1) $\frac{2}{3} - \frac{1}{3} = \square$

(2) $\frac{4}{5} - \frac{1}{5} = \square$

(3) $\frac{6}{7} - \frac{4}{7} = \square$

(4) $\frac{7}{8} - \frac{4}{8} = \square$

(5) $\frac{8}{9} - \frac{6}{9} = \square$

(6) $\frac{7}{11} - \frac{1}{11} = \square$

(7) $\frac{9}{12} - \frac{8}{12} = \square$

(8) $\frac{5}{7} - \frac{1}{7} = \square$

(9) $\frac{8}{13} - \frac{3}{13} = \square$

(10) $\frac{11}{15} - \frac{7}{15} = \square$

(11) $\frac{11}{12} - \frac{6}{13} = \square$

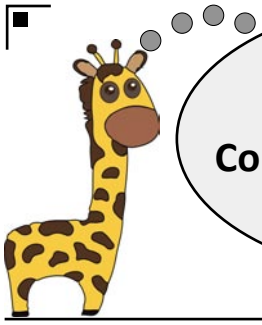
(12) $\frac{7}{10} - \frac{4}{10} = \square$

(13) $\frac{6}{8} - \frac{5}{8} = \square$

(14) $\frac{15}{17} - \frac{9}{17} = \square$

(15) $\frac{11}{14} - \frac{2}{14} = \square$

(16) $\frac{11}{13} - \frac{6}{13} = \square$



Maths Homework this week is about:

Comparing and Ordering Fractions

Name:

Date:

Teacher:

Year **3**

(1) Write **bigger** or **smaller** in the box for each pair of fractions.

(a) $\frac{1}{3}$ is ____ than $\frac{1}{2}$

(b) $\frac{1}{6}$ is ____ than $\frac{1}{7}$

(c) $\frac{1}{8}$ is ____ than $\frac{1}{9}$

(d) $\frac{1}{11}$ is ____ than $\frac{1}{12}$

(e) $\frac{1}{4}$ is ____ than $\frac{1}{3}$

(f) $\frac{1}{9}$ is ____ than $\frac{1}{5}$

(g) $\frac{3}{8}$ is ____ than $\frac{5}{8}$

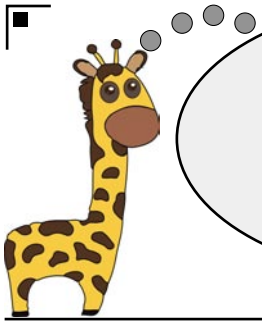
(h) $\frac{5}{7}$ is ____ than $\frac{2}{7}$

(i) $\frac{5}{7}$ is ____ than $\frac{4}{7}$

(j) $\frac{2}{5}$ is ____ than $\frac{4}{5}$

(2) Put each set of fractions in order from **smallest** to **biggest**.

		smallest		biggest
(a)	$\frac{1}{3}$ $\frac{1}{5}$ $\frac{1}{4}$	→		
(b)	$\frac{1}{2}$ $\frac{1}{5}$ $\frac{1}{9}$	→		
(c)	$\frac{1}{6}$ $\frac{1}{3}$ $\frac{1}{4}$	→		
(d)	$\frac{3}{7}$ $\frac{6}{7}$ $\frac{2}{7}$	→		
(e)	$\frac{4}{9}$ $\frac{1}{9}$ $\frac{7}{9}$	→		
(f)	$\frac{7}{8}$ $\frac{6}{8}$ $\frac{2}{8}$	→		



Maths Homework this week is about:

Finding Fractions

Name:

Date:

Teacher:

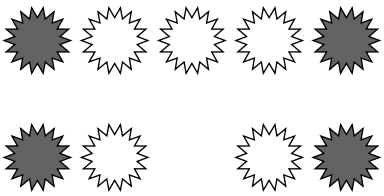
Year 3

For each question, say what fraction of the stars are shaded.

(1)

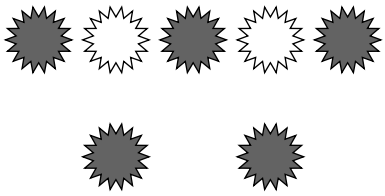
Fraction shaded ☐

(2)



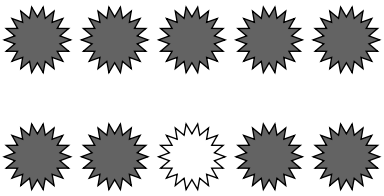
Fraction shaded ☐

(3)



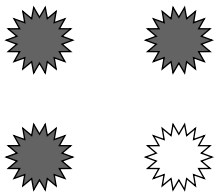
Fraction shaded ☐

(4)



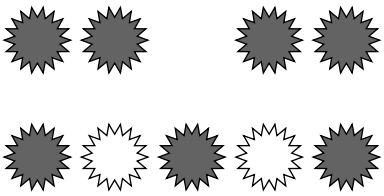
Fraction shaded ☐

(5)



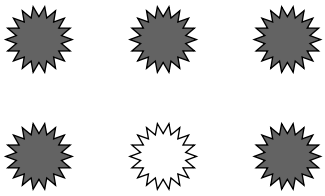
Fraction shaded ☐

(6)



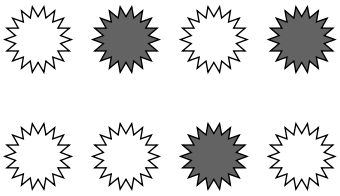
Fraction shaded ☐

(7)



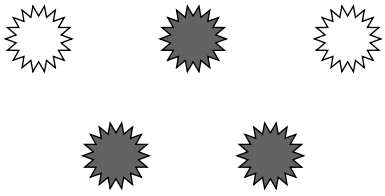
Fraction shaded ☐

(8)



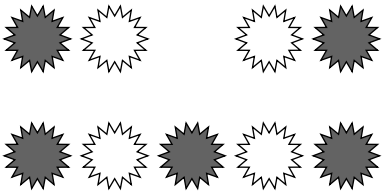
Fraction shaded ☐

(9)



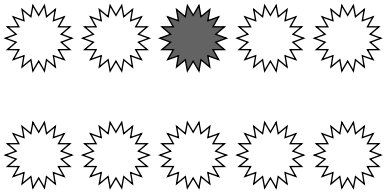
Fraction shaded ☐

(10)



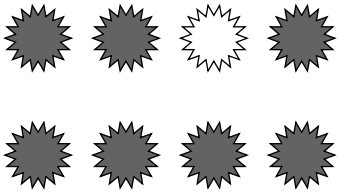
Fraction shaded ☐

(11)

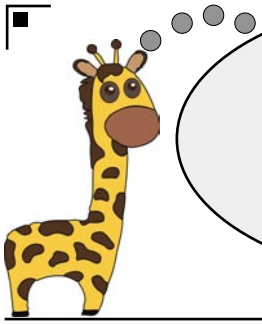


Fraction shaded ☐

(12)



Fraction shaded ☐



Maths Homework this week is about:

Measuring Lengths

Name:

Date:

Teacher:

Year 3

(1) Measure the length of each line. Write your answers in the boxes.

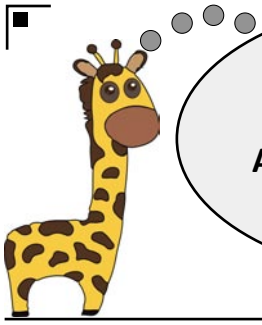
		length of line
(a)		cm
(b)		cm
(c)		cm
(d)		cm
(e)		cm

(2) Measure each pair of lines, in centimetres. Then add your answers together to find the total length of each pair.

		length of top line:	length of bottom line:	total length of lines:
(a)		cm	cm	cm
(b)		cm	cm	cm
(c)		cm	cm	cm
(d)		cm	cm	cm
(e)		cm	cm	cm

(3) Measure each pair of lines, in centimetres. Then subtract the smaller number from the larger number to see how much longer the top line is than the bottom line.

		length of top line:	length of bottom line:	top line is longer by:
(a)		cm	cm	cm
(b)		cm	cm	cm
(c)		cm	cm	cm
(d)		cm	cm	cm
(e)		cm	cm	cm



Maths Homework this week is about:

Adding and Subtracting Masses

Name:

Date:

Teacher:

Year 3

(1) Add each pair of weights.

(a) 14 g + 8 g = ☐ g

(b) 12 kg + 16 kg = ☐ kg

(c) 25 g + 17 g = ☐ g

(d) 32 g + 26 g = ☐ g

(e) 31 kg + 19 kg = ☐ kg

(f) 41 kg + 26 kg = ☐ kg

(g) 38 kg + 47 kg = ☐ kg

(h) 33 g + 44 g = ☐ g

(i) 55 k + 39 g = ☐ g

(j) 47 kg + 48 kg = ☐ kg

(2) Subtract each pair of weights to find how much heavier the heaviest weight is.

(a) 62 g - 40 g = ☐ g

(b) 89 kg - 76 kg = ☐ kg

(c) 63 kg - 36 kg = ☐ kg

(d) 58 g - 21 g = ☐ g

(e) 78 g - 23 g = ☐ g

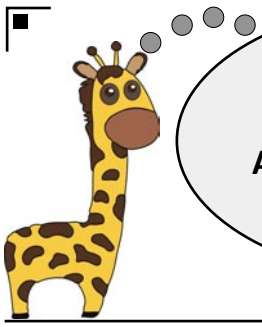
(f) 73 kg - 32 kg = ☐ kg

(g) 81 kg - 19 kg = ☐ kg

(h) 97 kg - 11 kg = ☐ kg

(i) 83 g - 44 g = ☐ g

(j) 94 g - 49 g = ☐ g



Maths Homework this week is about:

Adding and Subtracting Volumes

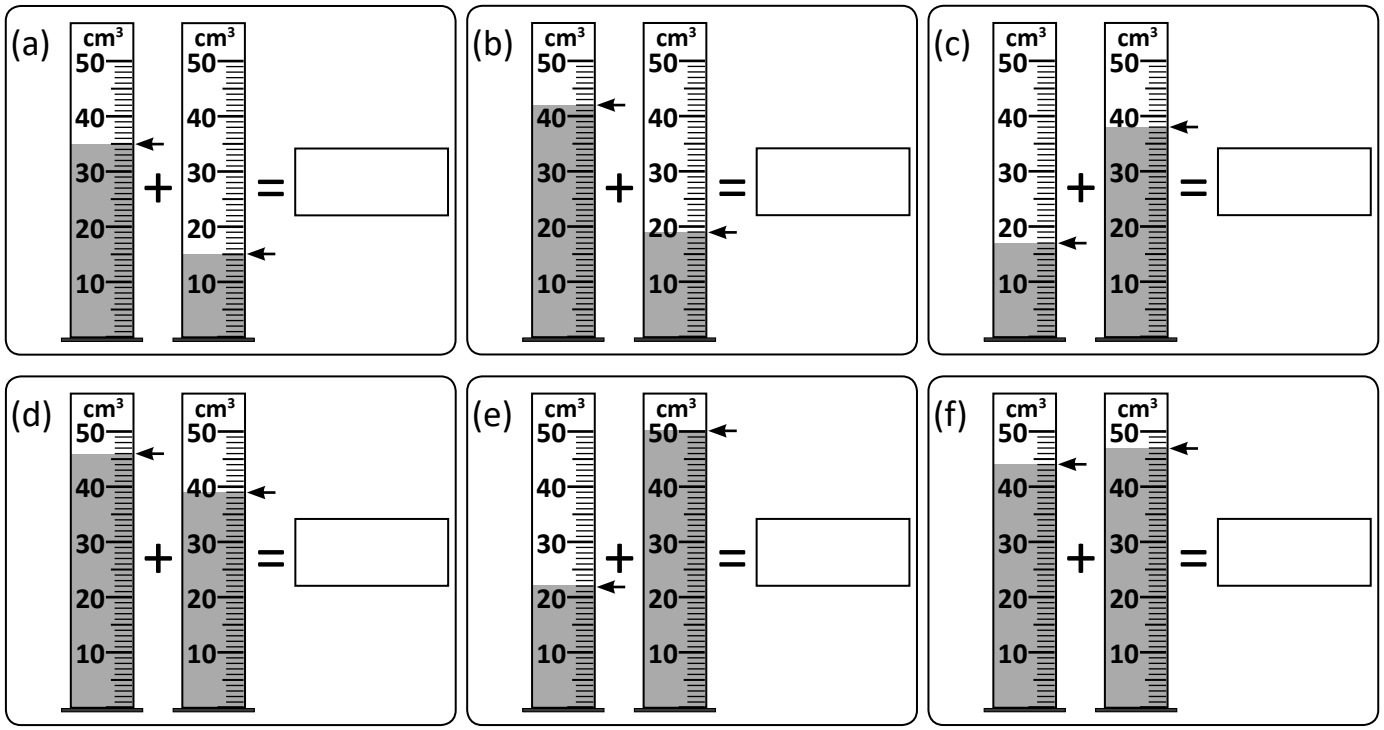
Name:

Date:

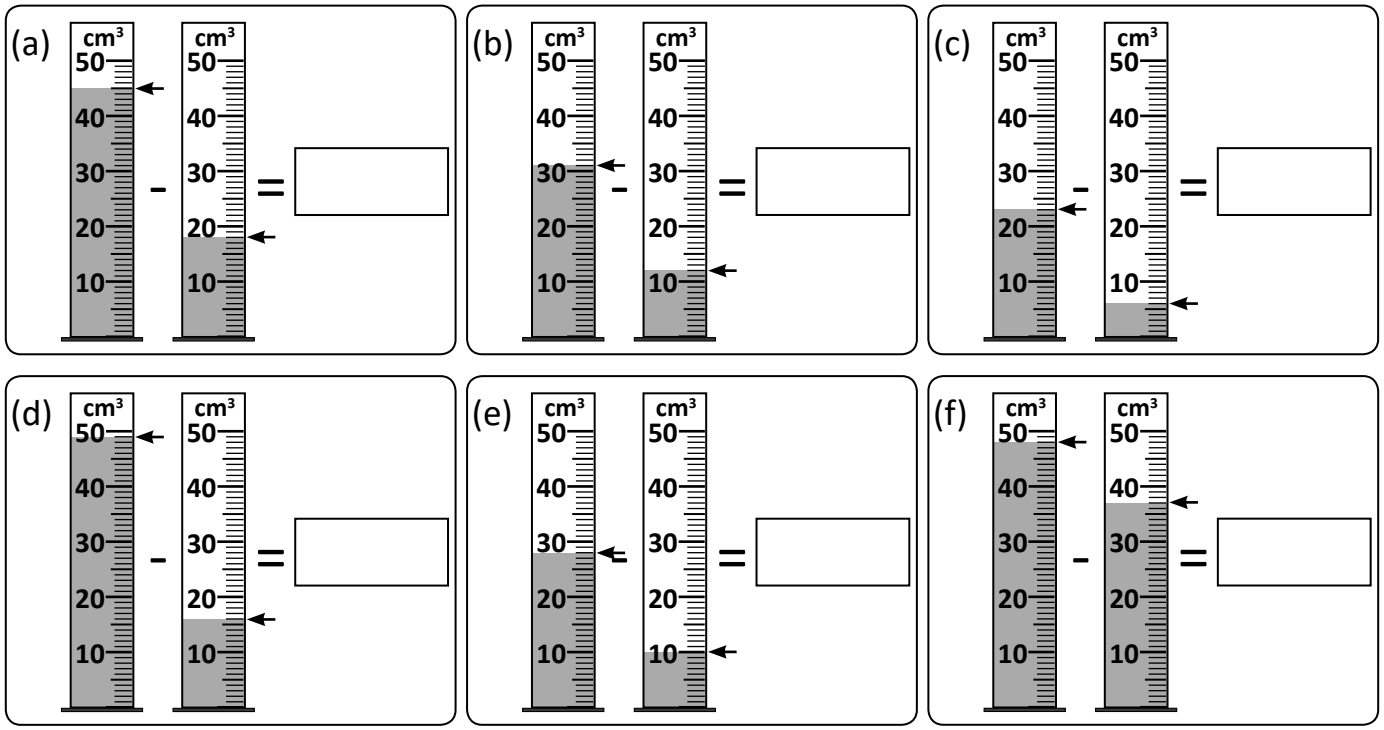
Teacher:

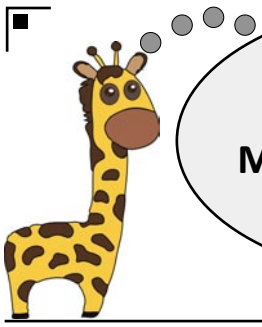
Year 3

(1) Find the total amount of liquid in each pair of measuring cylinders.



(2) Subtract to find how much more liquid there is in the first measuring cylinder than in the second.





Maths Homework this week is about:

Measuring Perimeters of Shapes

Name:

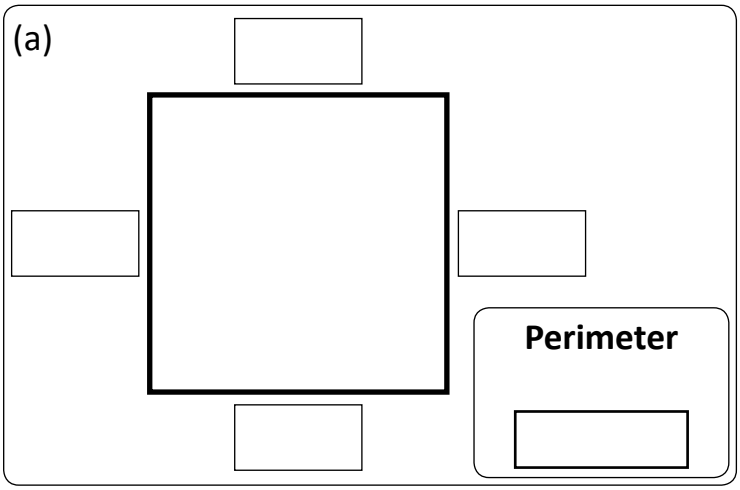
Date:

Teacher:

Year 3

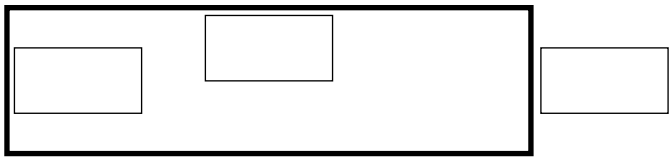
For each shape, measure each side length in centimetres and write the lengths in the boxes. Then add the lengths together to find the perimeter of the shape.

(a)



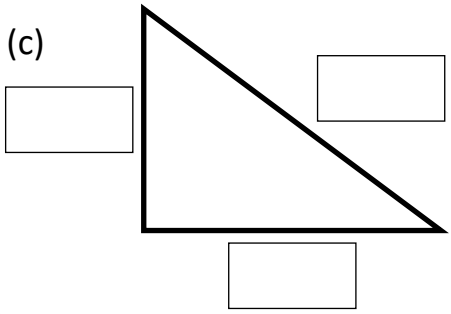
Perimeter

(b)



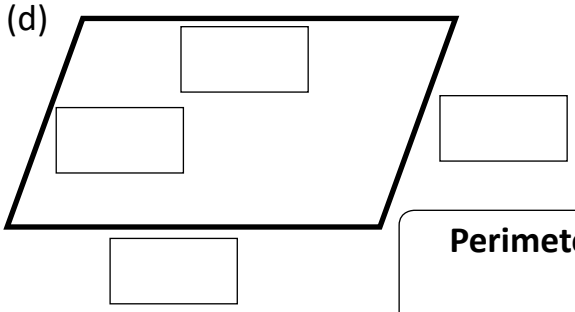
Perimeter

(c)



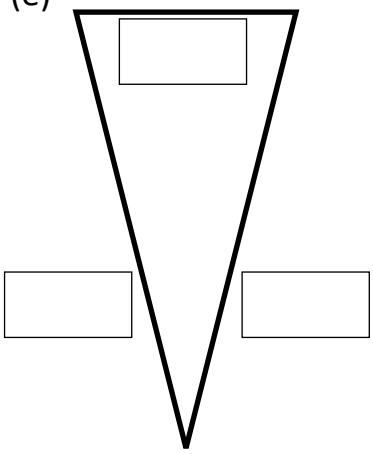
Perimeter

(d)



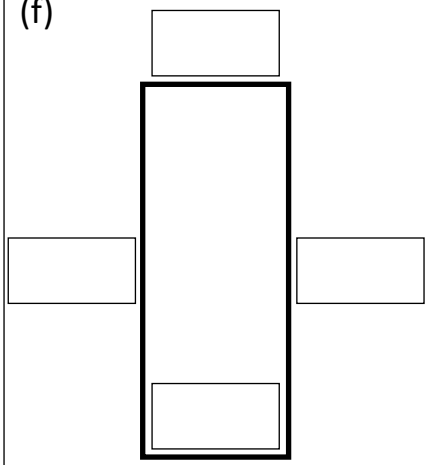
Perimeter

(e)



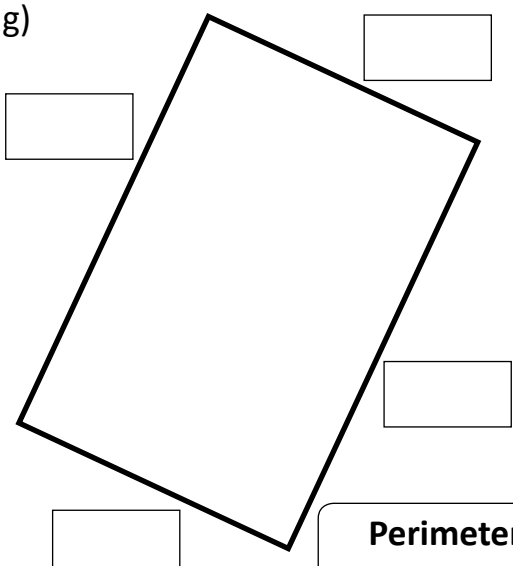
Perimeter

(f)

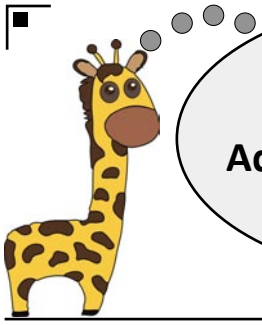


Perimeter

(g)



Perimeter



Maths Homework this week is about:

Adding and Subtracting Money

Name:

Date:

Teacher:

Year 3

(1) Say how much money there is in each box.

(a)  **Total:**

(b)  **Total:**

(c)  **Total:**

(d)  **Total:**

(e)  **Total:**

(f)  **Total:**

(2) Find how much change you will get from £5 if you spend each of the following amounts.

(a) **You spend: £1.15** — **Change from £5:**

(b) **You spend: £1.84** — **Change from £5:**

(c) **You spend: £2.11** — **Change from £5:**

(d) **You spend: £3.41** — **Change from £5:**

(e) **You spend: £3.89** — **Change from £5:**

(f) **You spend: £4.12** — **Change from £5:**

(3) Find how much change you will get from £10 if you spend each of the following amounts.

(a) **You spend: £1.61** — **Change from £10:**

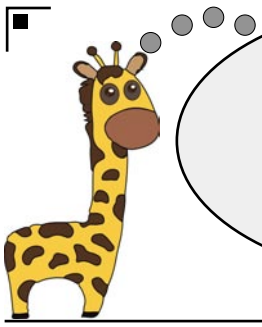
(b) **You spend: £3.57** — **Change from £10:**

(c) **You spend: £4.70** — **Change from £10:**

(d) **You spend: £6.93** — **Change from £10:**

(e) **You spend: £7.38** — **Change from £10:**

(f) **You spend: £8.14** — **Change from £10:**



Maths Homework this week is about:

Reading Time

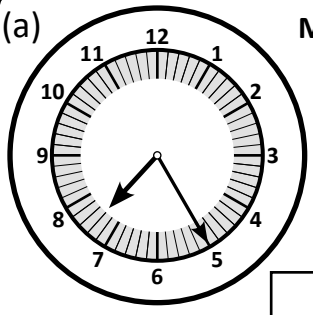
Name:

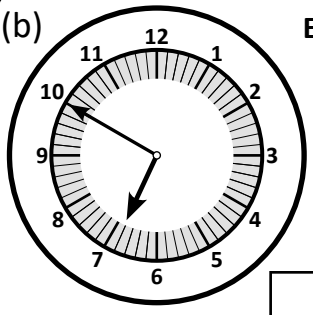
Date:

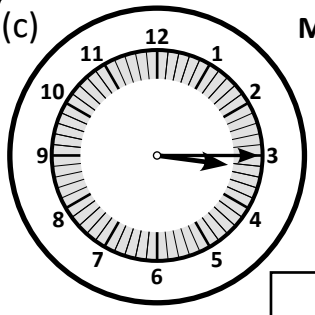
Teacher:

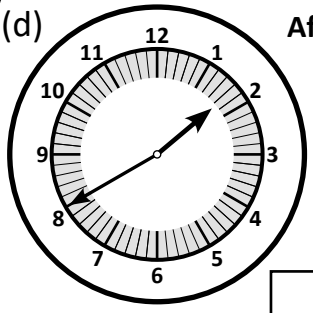
Year 3

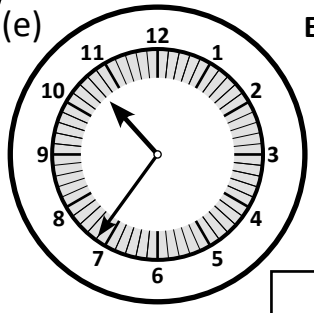
(1) Say what time is shown on each of these clocks as an a.m. or p.m. time.

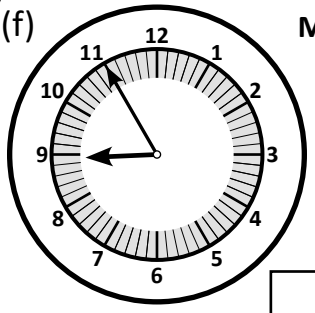
(a)  **Morning** **time:**

(b)  **Evening** **time:**

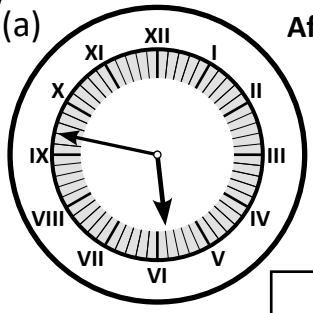
(c)  **Morning** **time:**

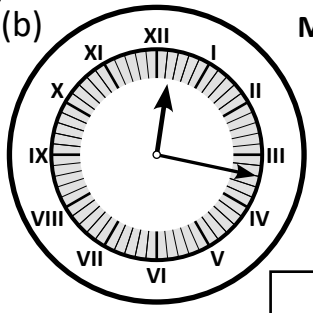
(d)  **Afternoon** **time:**

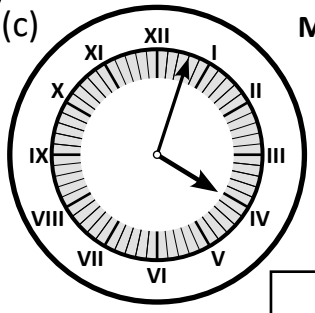
(e)  **Evening** **time:**

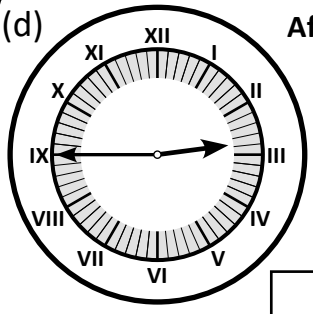
(f)  **Morning** **time:**

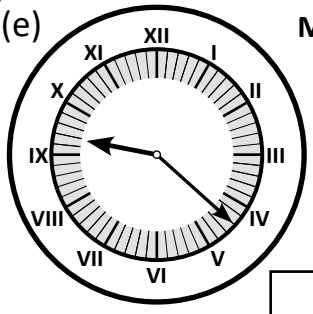
(2) These clocks have Roman numerals.
Say what time is shown on each one as an a.m. or p.m. time.

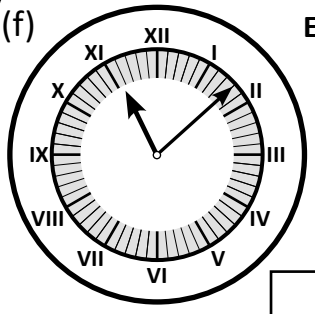
(a)  **Afternoon** **time:**

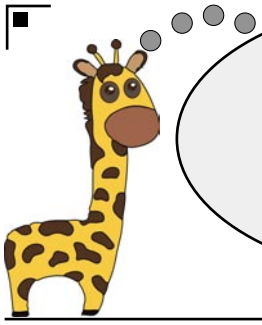
(b)  **Morning** **time:**

(c)  **Morning** **time:**

(d)  **Afternoon** **time:**

(e)  **Morning** **time:**

(f)  **Evening** **time:**



Maths Homework this week is about:

Time Questions

Name:

Date:

Teacher:

Year 3

(1) How many seconds are there in two minutes?

(2) How many days are there in December?

(3) 35 days is how many weeks?

(4) 660 seconds is how many minutes?

(5) 240 seconds is how many minutes?

(6) 180 minutes is how many hours?

(7) How many days are there in a year when it is not a leap year?

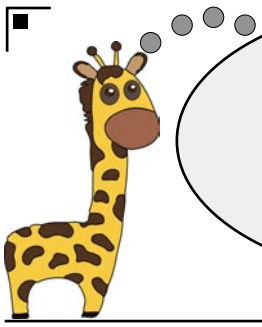
(8) Give the number of seconds in five minutes.

(9) Give the number of days in April.

(10) How many days are there in eight weeks?

(11) How many seconds are there in one and a half minutes?

(12) How many minutes are there in eight hours?



Maths Homework this week is about:

2D Shapes

Name:

Date:

Teacher:

Year 3

Draw each of the following shapes as accurately as possible.
Then answer the questions about each one.

(1) **Square**

What can you say about the lengths of all the sides?

(2) **Rectangle**

What is the size of each angle in this shape?

(3) **Equilateral Triangle**

What is the size of each angle in this shape?

(4) **Scalene Triangle**

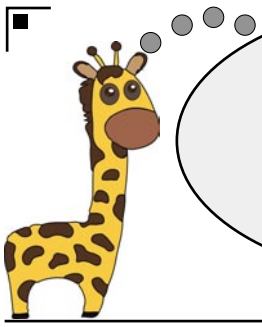
What can you say about the lengths of the sides?

(5) **Rhombus**

What can you say about the lengths of the sides?

(6) **Parallelogram**

What can you say about the lengths of opposite (parallel) sides?



Maths Homework this week is about:

Recognising Angles

Name:

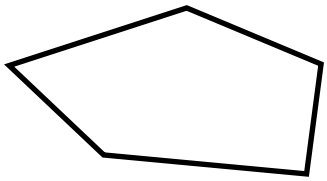
Date:

Teacher:

Year **3**

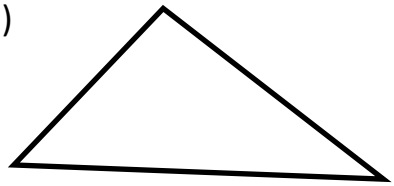
(1) Say how many angles there are inside each of these shapes. Put a cross in each angle.

(a)



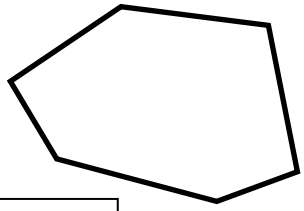
angles inside.

(b)



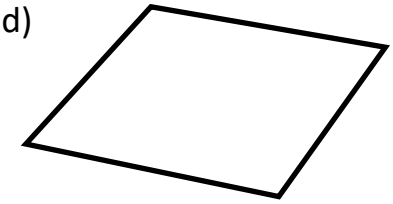
angles inside.

(c)



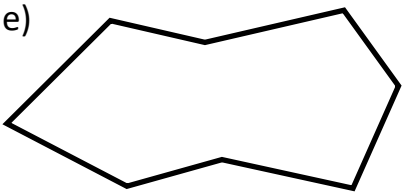
angles inside.

(d)



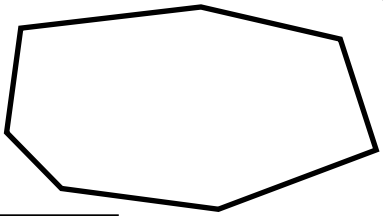
angles inside.

(e)



angles inside.

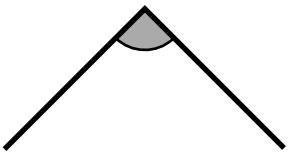
(f)



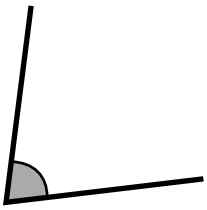
angles inside.

(2) Write **Yes** or **No** in each box to say whether each of these angles is a right angle or not.

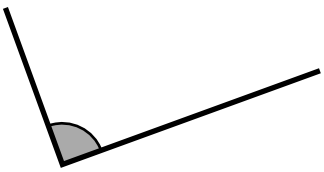
(a)



(b)

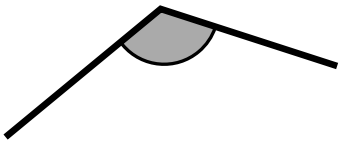


(c)

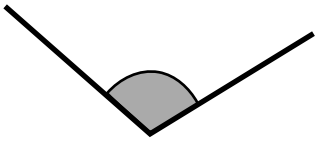


(3) Write **More** or **Less** in each box to say whether each of these angles more or less than a right angle.

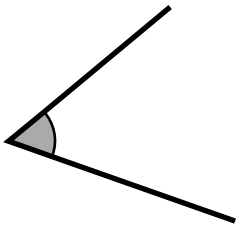
(a)

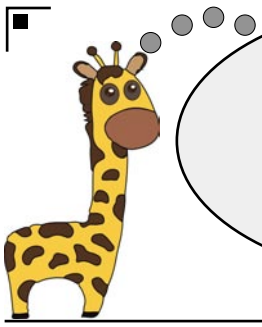


(b)



(c)





Maths Homework this week is about:

Lines

Name:

Date:

Teacher:

Year **3**

For each question put a circle around the correct word or words which describe the lines.

(1)

Horizontal

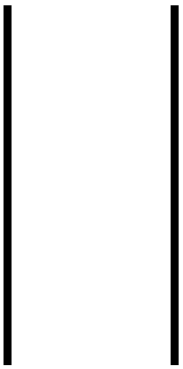
Vertical

Parallel

Perpendicular

None of these

(2)



Horizontal

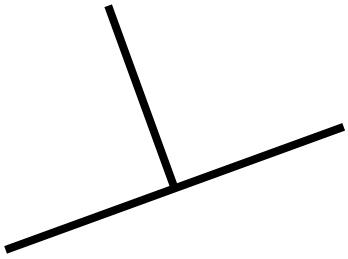
Vertical

Parallel

Perpendicular

None of these

(3)



Horizontal

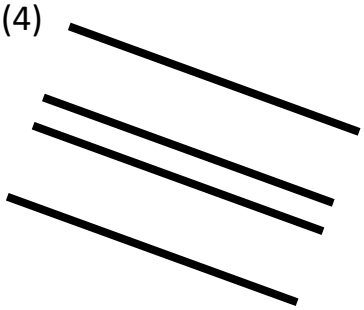
Vertical

Parallel

Perpendicular

None of these

(4)



Horizontal

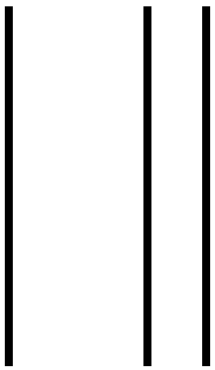
Vertical

Parallel

Perpendicular

None of these

(5)



Horizontal

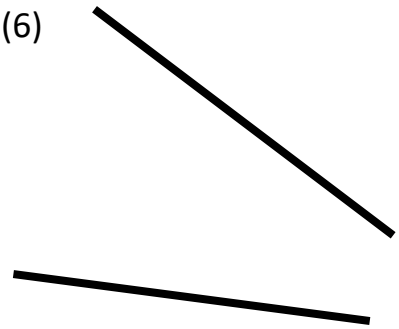
Vertical

Parallel

Perpendicular

None of these

(6)



Horizontal

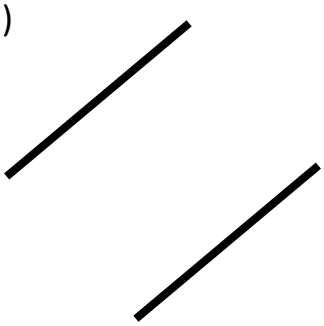
Vertical

Parallel

Perpendicular

None of these

(7)



Horizontal

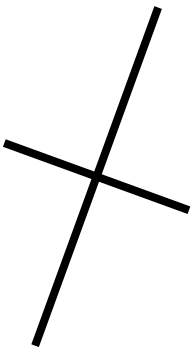
Vertical

Parallel

Perpendicular

None of these

(8)



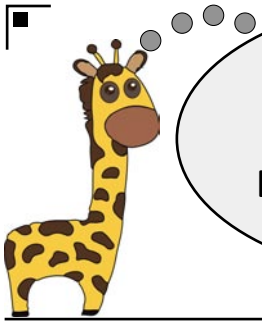
Horizontal

Vertical

Parallel

Perpendicular

None of these



Maths Homework this week is about:

Drawing Pictograms

Name:

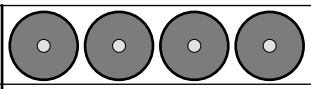
Date:

Teacher:

Year 3

(1) Complete the pictogram to show the number of DVDs watched by four people last week.

Person	Number of DVDs watched
Ruth	4
Ali	8
Keith	2
Saima	9

Ruth	
Ali	
Keith	
Saima	

KEY  **= 1 DVD watched**

(2) Complete the pictogram to show how many merits some pupils achieved one month.

Pupil	Number of merits
James	16
Arthur	10
Sarah	24
Vicky	17

James	
Arthur	
Sarah	
Vicky	

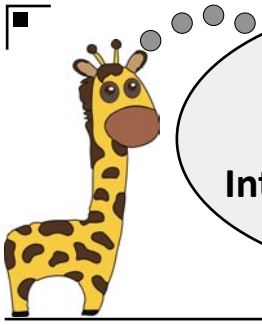
KEY  **= 2 merits**

(3) Draw a pictogram to show how many pints of milk were used by four families one month.

Family	Number of pints used
Watson	64
Edgar	30
Khan	48
Lee	20

Watson	
Edgar	
Khan	
Lee	

KEY  **= 4 pints used**



Maths Homework this week is about:

Interpreting Pictograms

Name:

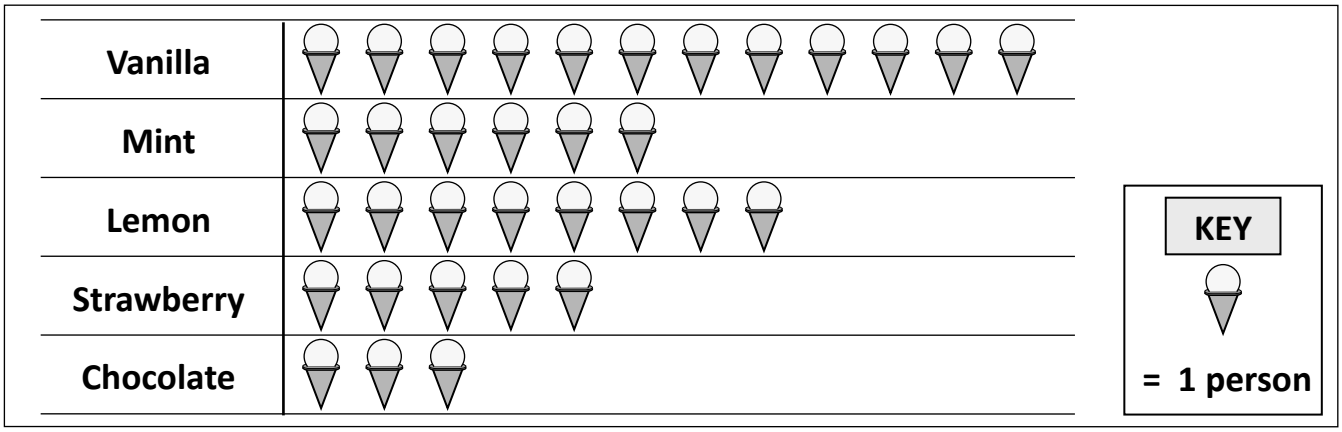
Date:

Teacher:

Year 3

Answer the questions about each pictogram.

(1) Pictogram to show the favourite ice cream flavours of a group of people.



(a) How many people chose Lemon as their favourite flavour?

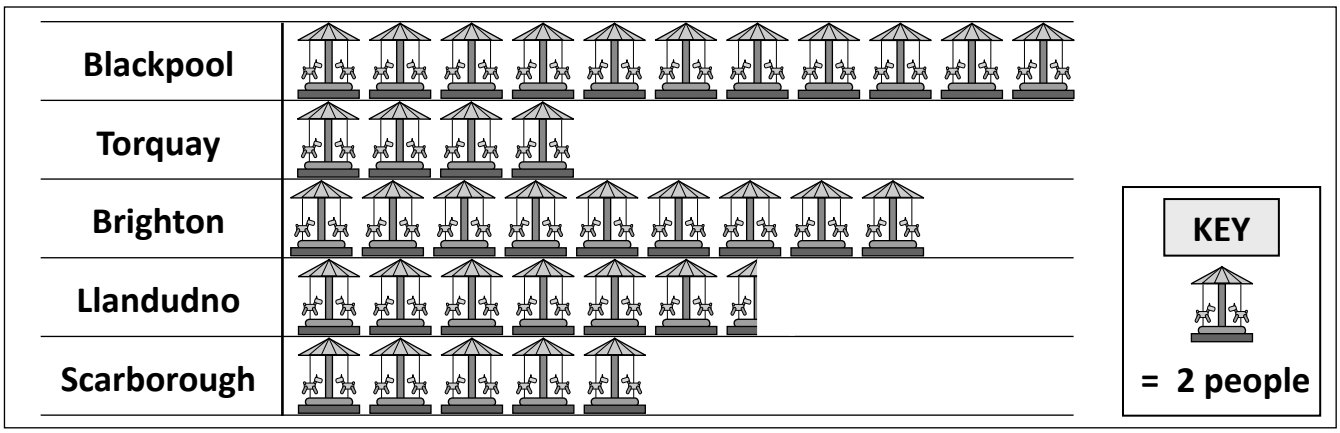
(b) Which flavour was chosen by 12 people?

(c) Chocolate is the favourite flavour of how many people?

(d) How many more people prefer Mint than Strawberry?

(e) How many less people prefer Chocolate than Vanilla?

(2) Pictogram to show the favourite seaside resorts for a group of pupils.



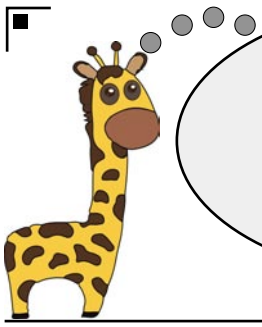
(a) How many pupils' favourite resort is Scarborough?

(b) Which resort is the favourite of exactly 18 pupils?

(c) Llandudno is the favourite resort of how many pupils?

(d) How many more pupils prefer Blackpool that Torquay?

(e) How many less people prefer Scarborough than Brighton?



Maths Homework this week is about:

Drawing Bar Charts

Name:

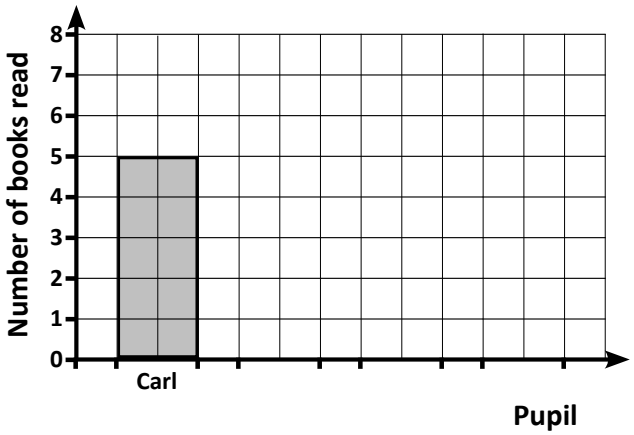
Date:

Teacher:

Year 3

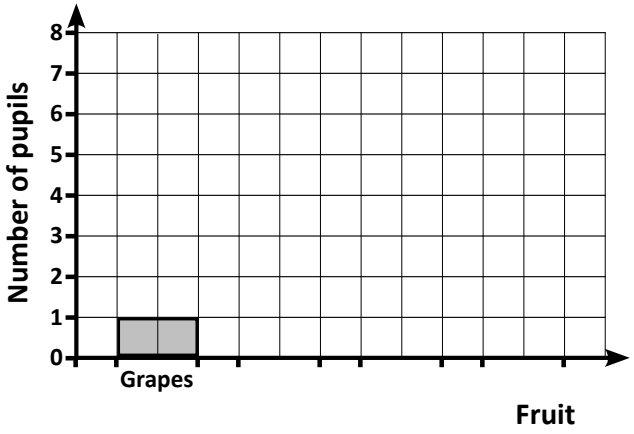
(1) Complete the bar chart to show the number of books read by four pupils in a class last month.

Pupil	Number of books read
Carl	5
Emily	7
Sasha	3
Tom	6



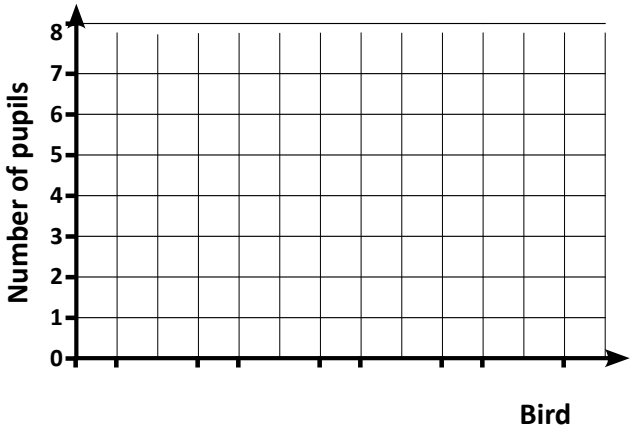
(2) Complete the bar chart to show which fruits pupils ate at school for a snack one day.

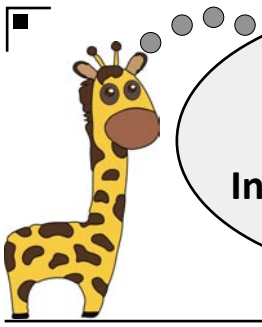
Fruit	Number of pupils
Grapes	1
Apple	4
Pear	6
Banana	8



(3) Some pupils were asked their favourite bird after a visit to a bird sanctuary. Their answers are in the table below. Draw a bar chart to show their favourites.

Bird	Number of pupils
Barn Owl	7
Eagle	2
Kestrel	5
Tawny Owl	3





Maths Homework this week is about:

Interpreting Bar Charts

Name:

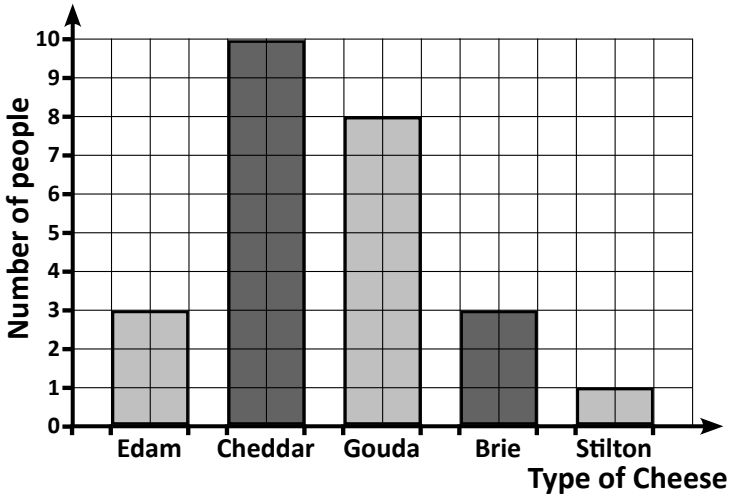
Date:

Teacher:

Year **3**

Answer the questions about each bar chart.

(1) Bar chart to show the favourite types of cheese of a group of people.



(a) Which is the most popular type of cheese?

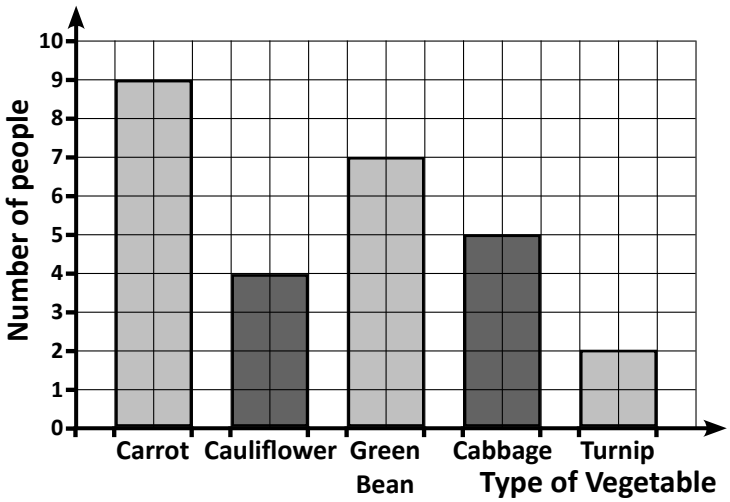
(b) Which cheese is as equally popular as Edam?

(c) How many people prefer Gouda?

(d) How many people chose the least popular type of cheese?

(e) How many more people prefer Cheddar than Edam?

(2) Bar chart to show the favourite vegetables for a group of people.



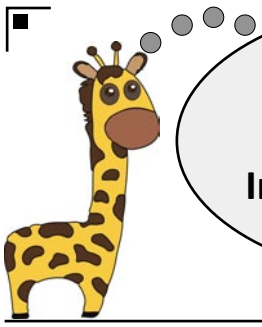
(a) Which is the least popular vegetable?

(b) How many people prefer Green Beans?

(c) Which vegetable did exactly four people choose?

(d) How many people chose the most popular vegetable?

(e) How many more people prefer Cabbage than Turnip?



Maths Homework this week is about:

Information in Tables

Name:

Date:

Teacher:

Year 3

This table gives the number of different types of sweets in a large box.

Use the table to answer the questions below.

Type of Sweet	Number
Chocolate Block	36
Orange Creme	18
Mint Creme	21
Hazelnut Caramel	9
Almond Chocolate	24
Lemon Creme	17
Butter Fudge	33
Marzipan Chunk	14
Toffee Triangle	45
Chocolate Toffee	29

(1) How many Almond Chocolates are there?

(2) There are exactly 33 of which type of chocolate?

(3) There are 20 more Chocolate Toffees than which other type of sweet?

(4) How many more Mint Cremes than Lemon Cremes are there?

(5) How many Toffee Triangles are there?

(6) How many fewer Marzipan Chunks than Chocolate Blocks are there?

(7) There are exactly 18 of which type of sweet?

(8) How many more Toffee Triangles than Almond Chocolates are there?

(9) How many fewer Lemon Cremes than Chocolate Toffees are there?

(10) There are 22 more Chocolate Blocks than which type of sweet?

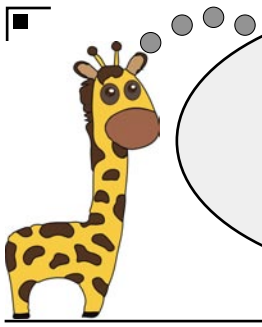
Maths Topics

Homework Sheets

for Year 3

Version 1.0

Answers



Maths Homework this week is about:

Counting in Multiples

Answers

Date:

Teacher:

Year 3

(1) For each question, write your answers in the boxes below:

(a) Count up in multiples of 4.

0	4	8	12	16	20	24	28

(b) Count up in multiples of 8.

0	8	16	24	32	40	48	56

(c) Count up in multiples of 50.

0	50	100	150	200	250	300	350

(d) Count up in multiples of 100.

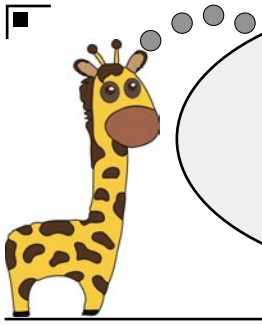
0	100	200	300	400	500	600	700

(2) Find the next three multiples of 4. **28** **32** **36** **40**

(3) Find the next three multiples of 8. **56** **64** **72** **80**

(4) Find the next three multiples of 50. **350** **400** **450** **500**

(5) Find the next three multiples of 100. **700** **800** **900** **1 000**



Maths Homework this week is about:

Finding 10 or 100 More, or Less

Answers

Date:

Teacher:

Year 3

(1) Add 10 to each number.

(a) 19 → (+ 10) → 29

(b) 47 → (+ 10) → 57

(c) 83 → (+ 10) → 93

(d) 253 → (+ 10) → 263

(e) 461 → (+ 10) → 471

(f) 694 → (+ 10) → 704

(2) Subtract 10 from each number.

(a) 38 ← (- 10) ← 48

(b) 13 ← (- 10) ← 23

(c) 75 ← (- 10) ← 85

(d) 194 ← (- 10) ← 204

(e) 457 ← (- 10) ← 467

(f) 722 ← (- 10) ← 732

(3) Add 100 to each number.

(a) 147 → (+ 100) → 247

(b) 485 → (+ 100) → 585

(c) 826 → (+ 100) → 926

(d) 1 637 → (+ 100) → 1 737

(e) 2 241 → (+ 100) → 2 341

(f) 4 983 → (+ 100) → 5 083

(4) Subtract 100 from each number.

(a) 217 ← (- 100) ← 317

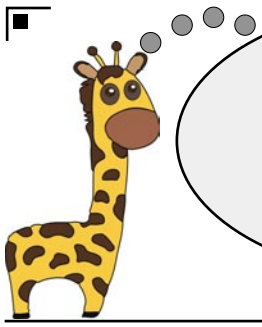
(b) 581 ← (- 100) ← 681

(c) 928 ← (- 100) ← 1 028

(d) 1 434 ← (- 100) ← 1 534

(e) 2 135 ← (- 100) ← 2 235

(f) 3 409 ← (- 100) ← 3 509



Maths Homework this week is about:

Place Value

Answers

Date:

Teacher:

Year 3

For each number, give the value of the digit indicated, both in words, and using digits.

(eg) 3 **4** 2 — four tens — 40

(1) **7** 4 3 — seven hundreds — 700

(2) 8 0 **6** — six units — 6

(3) 9 3 **1** — one unit — 1

(4) 2 **9** 2 — nine tens — 90

(5) **8** 6 9 — eight hundreds — 800

(6) 5 **7** 8 — seven tens — 70

(7) 4 2 **3** — three units — 3

(8) **5** 8 1 — five hundreds — 500

(9) **9** 1 2 — nine hundreds — 900

(10) **2** 5 7 — two hundreds — 200

(11) 8 **2** 4 — two tens — 20

(12) 3 **5** 6 — five tens — 50

(13) **4** 2 3 — four hundreds — 400

(14) 2 9 **8** — eight units — 8

(15) 8 3 **4** — four units — 4

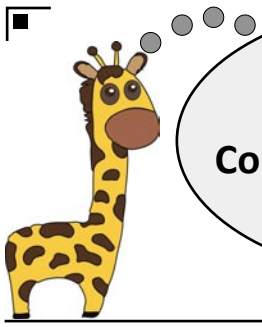
(16) 7 **6** 0 — six tens — 60

(17) 1 4 **2** — two units — 2

(18) **6** 0 4 — six hundreds — 600

(19) 1 5 **7** — seven units — 7

(20) 6 **3** 5 — three tens — 30



Maths Homework this week is about:

Comparing and Ordering Numbers

Answers

Date:

Teacher:

Year 3

(1) Put each set of numbers in order from lowest to highest.

(a)

14	11
17	18

In order: 11, 14, 17, 18

(b)

29	22
27	24

In order: 22, 24, 27, 29

(c)

56	53
59	51

In order: 51, 53, 56, 59

(d)

82	84
81	88

In order: 81, 82, 84, 88

(e)

58	62
23	47

In order: 23, 47, 58, 62

(f)

65	33
72	41

In order: 33, 41, 65, 72

(g)

182	176
171	180

In order: 171, 176, 180, 182

(h)

256	275
293	248

In order: 248, 256, 275, 293

(i)

398	399
317	306

In order: 306, 317, 398, 399

(j)

158	359
147	345

In order: 147, 158, 345, 359

(k)

724	693
379	482

In order: 379, 482, 693, 724

(l)

374	196
789	523

In order: 196, 374, 523, 789

(2) Draw a circle around the biggest number in each question.

(a) 37, 29, **46**, 19

(b) **81**, 24, 42, 63

(c) 28, **83**, 46, 61

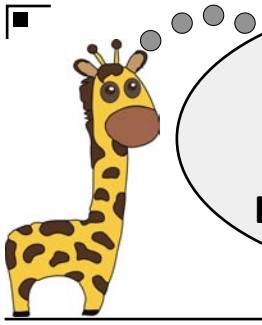
(d) 91, 76, **95**, 59

(e) 146, 395, 237, **410**

(f) 529, **763**, 686, 321

(g) **463**, 436, 364, 346

(h) 809, 729, 384, **814**



Maths Homework this week is about:

Representing and Estimating Numbers

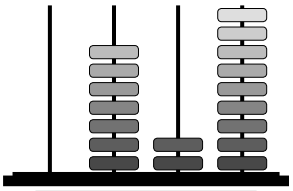
Answers

Date:

Teacher:

Year **3**

(1) Say which number is shown on each abacus.

(a) 

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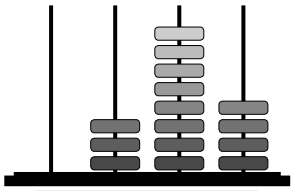
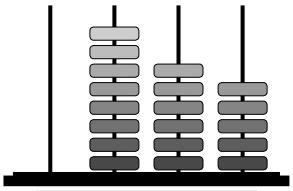
(b) 

384

(c) 

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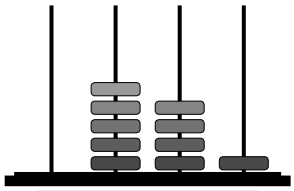
(d) 

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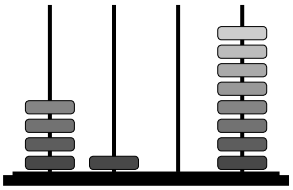
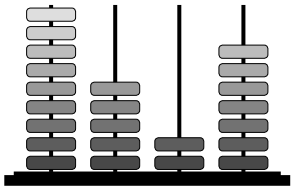
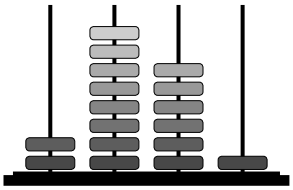
(e) 

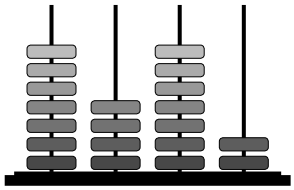
4 108

(f) 

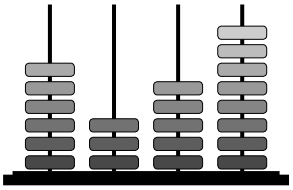
9 527

(g) 

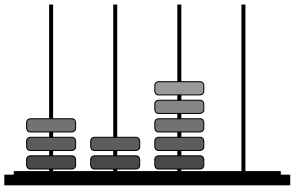
2 861

(h) 

7 472

(i) 

6 358

(j) 

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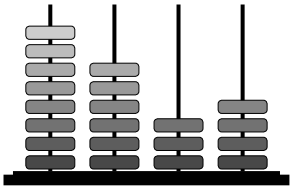
(k) 

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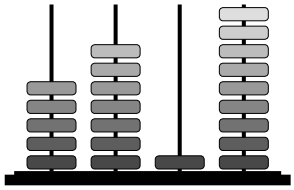
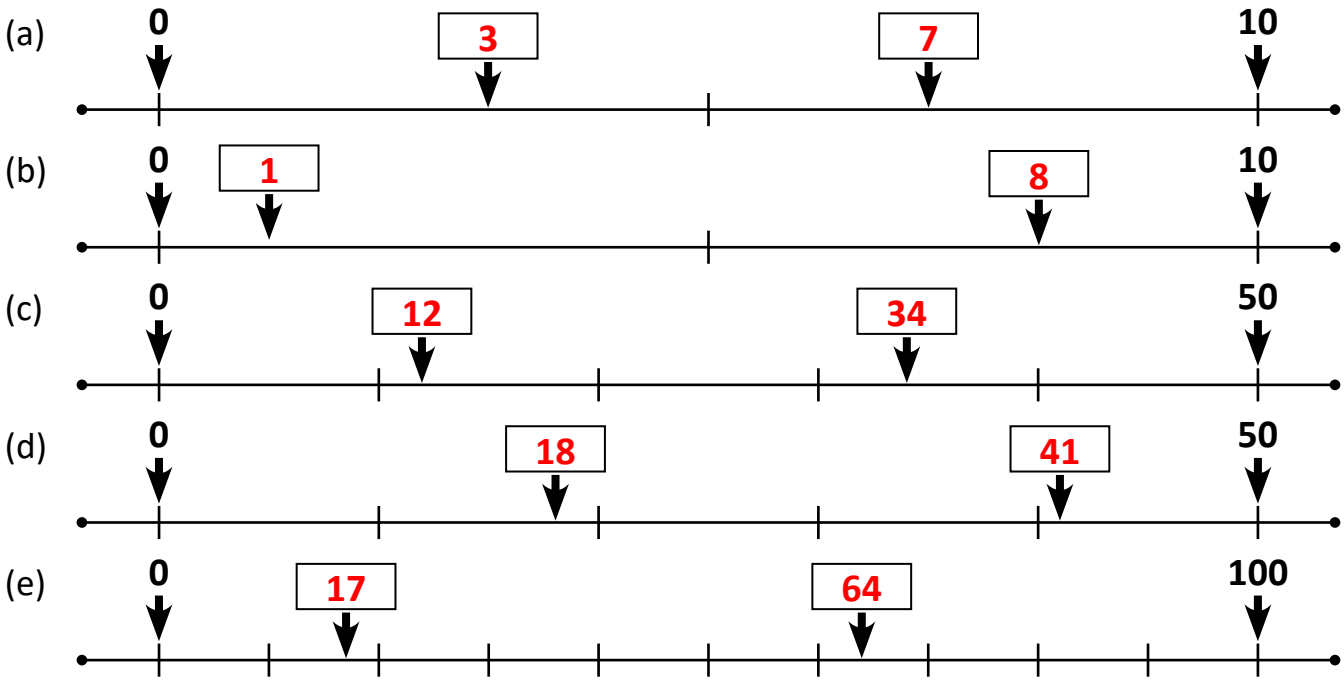
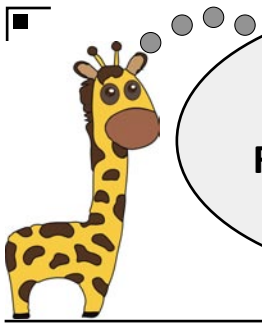
(l) 

5 719

(2) Estimate which whole numbers the arrows are pointing to on each of these number lines.





Maths Homework this week is about:

Reading and Writing Numbers

Answers

Date:

Teacher:

Year 3

(1) Write each of these numbers in figures. Write each answer in the box.

(a) Twenty Seven — 27

(b) Fifty Six — 56

(c) Two hundred and forty eight — 248

(d) Eight hundred and thirty eight — 838

(e) Five hundred and thirteen — 513

(f) Nine hundred and seventy six — 976

(g) Seven hundred and twenty one — 721

(h) Three hundred and forty five — 345

(i) One hundred and ninety nine — 199

(j) Six hundred and fifty two — 652

(2) Write each of these words in figures. Write each answer on the sign.

(a) Thirty nine — 39

(b) Ninety two — 92

(c) One hundred and seventy one — 171

(d) Four hundred and twenty six — 426

(e) Three hundred and ninety three — 393

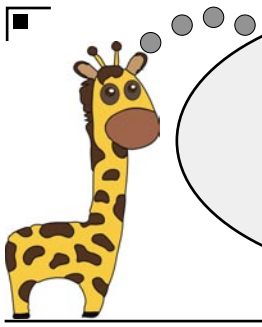
(f) Five hundred and seventy two — 572

(g) Two hundred and seventeen — 217

(h) Six hundred and fifty — 650

(i) Nine hundred and thirty five — 935

(j) Eight hundred and eighty eight — 888



Maths Homework this week is about:

Solving Number Problems

Answers

Date:

Teacher:

Year 3

(1) For each set of signs, draw a ring around the sign which contains a multiple of 4.

(a) 10, **12**, 14

(b) **8**, 9, 10

(c) 30, **32**, 34

(d) 38, 39, **40**

(e) 22, **24**, 26

(f) **44**, 45, 46

(2) For each set of signs, draw a ring around the sign which contains a multiple of 8.

(a) 12, 14, **16**

(b) 38, **40**, 42

(c) **24**, 26, 28

(d) 30, **32**, 34

(e) **56**, 58, 60

(f) 68, 70, **72**

(3) In each question, use all the digits once each to make the largest number you can.

(a) 3, 6, 9, 1 — Largest number: **9631**

(b) 1, 2, 3, 5 — Largest number: **5321**

(c) 3, 8, 2, 7 — Largest number: **8732**

(d) 8, 4, 5, 2 — Largest number: **8542**

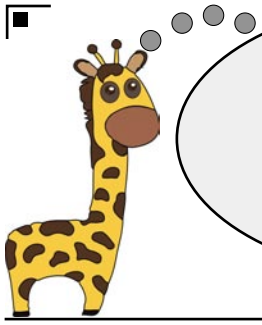
(e) 3, 8, 6, 2 — Largest number: **8632**

(f) 1, 5, 2, 9 — Largest number: **9521**

(g) 7, 2, 3, 4 — Largest number: **7432**

(h) 1, 5, 9, 3 — Largest number: **9531**

(i) 8, 9, 5, 3 — Largest number: **9853**



Maths Homework this week is about:

Adding Numbers Mentally

Answers

Date:

Teacher:

Year 3

For all the questions on this sheet, try to work out the answers in your head.

(1) For each question, add the three numbers in the circles. Write your answer in the triangle.

(a) 11, 37, 9, 17

(b) 8, 27, 6, 13

(c) 20, 53, 14, 19

(d) 16, 39, 13, 10

(e) 14, 45, 9, 22

(f) 7, 34, 12, 15

(g) 9, 40, 12, 19

(h) 16, 51, 17, 18

(i) 20, 46, 14, 12

(j) 25, 70, 30, 15

(2) For each question, add the two numbers on the signs. Write your answer in the top sign.

(a) 97, 23, 74

(b) 74, 37, 37

(c) 81, 42, 39

(d) 68, 49, 19

(e) 80, 28, 52

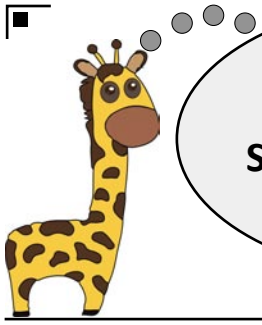
(f) 91, 28, 63

(g) 99, 48, 51

(h) 88, 62, 26

(i) 87, 71, 16

(j) 75, 41, 34



Maths Homework this week is about:

Subtracting Numbers Mentally

Answers

Date:

Teacher:

Year 3

For all the questions on this sheet, try to work out the answers in your head.

(1) Find the answer to each subtraction question. Write your answer in the box.

(a) 28 - 9 = 19

(b) 37 - 8 = 29

(c) 53 - 5 = 48

(d) 49 - 6 = 43

(e) 62 - 7 = 55

(f) 83 - 8 = 75

(g) 96 - 12 = 84

(h) 72 - 10 = 62

(i) 58 - 11 = 47

(j) 87 - 15 = 72

(k) 67 - 17 = 50

(l) 91 - 19 = 72

(2) Find the answer to each of these subtraction questions. Write your answer in the box.

(a) 62 - 34 = 28

(b) 71 - 56 = 15

(c) 82 - 29 = 53

(d) 77 - 45 = 32

(e) 62 - 56 = 6

(f) 87 - 43 = 44

(g) 59 - 27 = 32

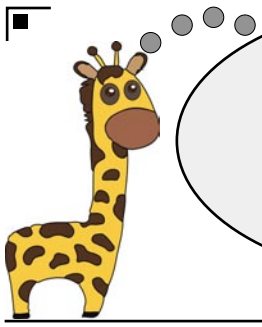
(h) 73 - 51 = 22

(i) 85 - 39 = 46

(j) 68 - 48 = 20

(k) 96 - 29 = 67

(l) 84 - 66 = 18



Maths Homework this week is about:

Adding Numbers

Answers

Date:

Teacher:

Year **3**

Add each pair of numbers, showing your working.

(1)
$$\begin{array}{r} 24 \\ +\ 53 \\ \hline 77 \end{array}$$

(2)
$$\begin{array}{r} 36 \\ +\ 23 \\ \hline 59 \end{array}$$

(3)
$$\begin{array}{r} 83 \\ +\ 55 \\ \hline 138 \end{array}$$

(4)
$$\begin{array}{r} 36 \\ +\ 57 \\ \hline 93 \\ 1 \end{array}$$

(5)
$$\begin{array}{r} 29 \\ +\ 47 \\ \hline 76 \\ 1 \end{array}$$

(6)
$$\begin{array}{r} 78 \\ +\ 68 \\ \hline 146 \\ 1 \end{array}$$

(7)
$$\begin{array}{r} 325 \\ +\ 524 \\ \hline 849 \end{array}$$

(8)
$$\begin{array}{r} 381 \\ +\ 416 \\ \hline 797 \end{array}$$

(9)
$$\begin{array}{r} 645 \\ +\ 227 \\ \hline 872 \\ 1 \end{array}$$

(10)
$$\begin{array}{r} 437 \\ +\ 458 \\ \hline 895 \\ 1 \end{array}$$

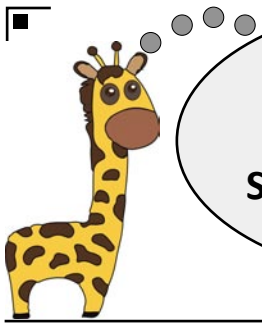
(11)
$$\begin{array}{r} 492 \\ +\ 255 \\ \hline 747 \\ 1 \end{array}$$

(12)
$$\begin{array}{r} 584 \\ +\ 165 \\ \hline 749 \\ 1 \end{array}$$

(13)
$$\begin{array}{r} 795 \\ +\ 286 \\ \hline 1081 \\ 1\ \ 1 \end{array}$$

(14)
$$\begin{array}{r} 468 \\ +\ 786 \\ \hline 1254 \\ 1\ \ 1 \end{array}$$

(15)
$$\begin{array}{r} 687 \\ +\ 938 \\ \hline 1625 \\ 1\ \ 1 \end{array}$$



Maths Homework this week is about:

Subtracting Numbers

Answers

Date:

Teacher:

Year 3

Subtract each pair of numbers, showing your working.

(1)
$$\begin{array}{r} 76 \\ -\ 34 \\ \hline 42 \end{array}$$

(2)
$$\begin{array}{r} 98 \\ -\ 27 \\ \hline 71 \end{array}$$

(3)
$$\begin{array}{r} {}^{5}\not{6}\,{}^{1}8 \\ -\ 19 \\ \hline 49 \end{array}$$

(4)
$$\begin{array}{r} {}^{6}\not{7}\,{}^{1}3 \\ -\ 57 \\ \hline 16 \end{array}$$

(5)
$$\begin{array}{r} {}^{7}\not{8}\,{}^{1}2 \\ -\ 38 \\ \hline 44 \end{array}$$

(6)
$$\begin{array}{r} {}^{5}\not{6}\,{}^{1}7 \\ -\ 39 \\ \hline 28 \end{array}$$

(7)
$$\begin{array}{r} 586 \\ -\ 321 \\ \hline 265 \end{array}$$

(8)
$$\begin{array}{r} 846 \\ -\ 312 \\ \hline 534 \end{array}$$

(9)
$$\begin{array}{r} 7\,{}^{5}\not{6}\,{}^{1}4 \\ -\ 327 \\ \hline 437 \end{array}$$

(10)
$$\begin{array}{r} 8\,{}^{2}\not{3}\,{}^{1}5 \\ -\ 518 \\ \hline 317 \end{array}$$

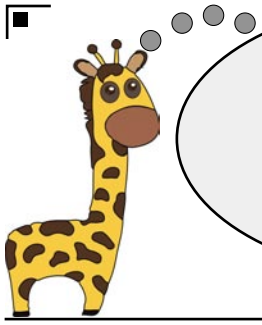
(11)
$$\begin{array}{r} {}^{8}\not{9}\,{}^{1}{}^{2}\not{3}\,{}^{1}6 \\ -\ 357 \\ \hline 579 \end{array}$$

(12)
$$\begin{array}{r} {}^{8}\not{7}\,{}^{1}{}^{3}\not{4}\,{}^{1}3 \\ -\ 555 \\ \hline 388 \end{array}$$

(13)
$$\begin{array}{r} {}^{5}\not{6}\,{}^{1}{}^{8}\not{9}\,{}^{1}3 \\ -\ 498 \\ \hline 195 \end{array}$$

(14)
$$\begin{array}{r} {}^{7}\not{8}\,{}^{1}45 \\ -\ 672 \\ \hline 173 \end{array}$$

(15)
$$\begin{array}{r} {}^{4}\not{5}\,{}^{1}{}^{2}\not{3}\,{}^{1}6 \\ -\ 278 \\ \hline 258 \end{array}$$



Maths Homework this week is about:

Estimating Answers

Answers

Date:

Teacher:

Year 3

For each question, round the amount of money to the nearest £1.

Then use the rounded answers to find an approximate answer to the calculation.

(eg) £1.96 + £3.17

Rounded:

£2 + £3

= £5

(1) £3.14 + £4.02

Rounded:

£3 + £4

= £7

(2) £4.89 + £5.79

Rounded:

£5 + £6

= £11

(3) £7.77 + £9.18

Rounded:

£8 + £9

= £17

(4) £12.36 + £13.81

Rounded:

£12 + £14

= £26

(5) £11.84 + £12.27

Rounded:

£12 + £12

= £24

(6) £16.23 + £8.59

Rounded:

£16 + £9

= £25

(7) £17.23 + £12.80

Rounded:

£17 + £13

= £30

(8) £22.76 + £18.14

Rounded:

£23 + £18

= £41

(9) £21.21 + £29.29

Rounded:

£21 + £29

= £50

(10) £137.96 + £110.59

Rounded:

£138 + £111

= £249

(11) £330.88 + £116.51

Rounded:

£331 + £117

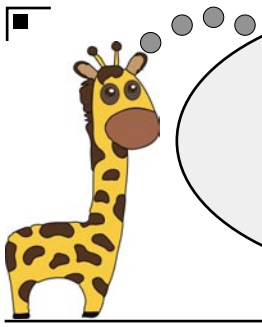
= £448

(12) £214.19 + £538.99

Rounded:

£214 + £539

= £753



Maths Homework this week is about:

Missing Number Problems

Answers

Date:

Teacher:

Year **3**

(1) Say how big each jump is. Write your answers in the circles.

(a) 15: 12, 27

(b) 21: 8, 29

(c) 22: 16, 38

(d) 27: 17, 44

(e) 42: 8, 50

(f) 29: 19, 48

(g) 47: 37, 84

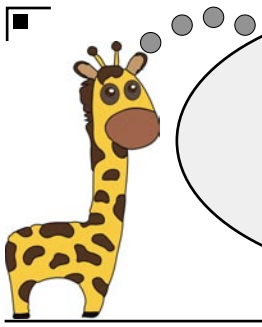
(h) 53: 41, 94

(2) Fill in the missing numbers in each of these addition questions.

(a)	13	+	17	=	30	(b)	19	+	14	=	33
(c)	29	+	14	=	43	(d)	22	+	24	=	46
(e)	36	+	21	=	57	(f)	29	+	35	=	64
(g)	42	+	41	=	83	(h)	36	+	37	=	73
(i)	49	+	43	=	92	(j)	29	+	65	=	94

(3) Fill in the missing numbers in each of these subtraction questions.

(a)	36	-	19	=	17	(b)	48	-	23	=	25
(c)	64	-	23	=	41	(d)	59	-	36	=	23
(e)	76	-	42	=	34	(f)	82	-	63	=	19
(g)	78	-	31	=	47	(h)	52	-	11	=	41
(i)	81	-	52	=	29	(j)	66	-	38	=	28



Maths Homework this week is about:

3, 4, and 8 Times Tables

Answers

Date:

Teacher:

Year **3**

(1) Multiply or divide each number by **3**, as asked.

(a) 5 × 3 = 15

(b) 6 ÷ 3 = 2

(c) 9 ÷ 3 = 3

(d) 8 × 3 = 24

(e) 9 × 3 = 27

(f) 18 ÷ 3 = 6

(g) 4 × 3 = 12

(h) 11 × 3 = 33

(i) 21 ÷ 3 = 7

(j) 36 ÷ 3 = 12

(2) Multiply or divide each number by **4**, as asked.

(a) 2 × 4 = 8

(b) 4 × 4 = 16

(c) 24 ÷ 4 = 6

(d) 3 × 4 = 12

(e) 5 × 4 = 20

(f) 40 ÷ 4 = 10

(g) 32 ÷ 4 = 8

(h) 28 ÷ 4 = 7

(i) 9 × 4 = 36

(j) 44 ÷ 4 = 11

(3) Multiply or divide each number by **8**, as asked.

(a) 32 ÷ 8 = 4

(b) 5 × 8 = 40

(c) 7 × 8 = 56

(d) 48 ÷ 8 = 6

(e) 24 ÷ 8 = 3

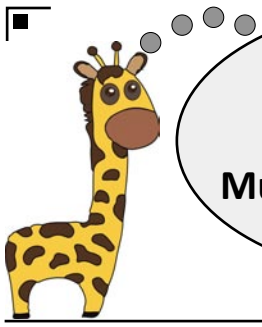
(f) 16 ÷ 8 = 2

(g) 8 × 8 = 64

(h) 9 × 8 = 72

(i) 96 ÷ 8 = 12

(j) 11 × 8 = 88



Maths Homework this week is about:

Multiplication Problems

Answers

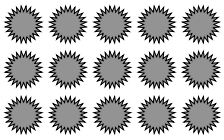
Date:

Teacher:

Year 3

(1) Write a multiplication statement to work out the number of stars in each diagram. Then find the answer to each statement.

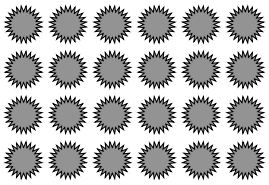
(a)



5 × 3 = 15

or: 3 × 5 = 15

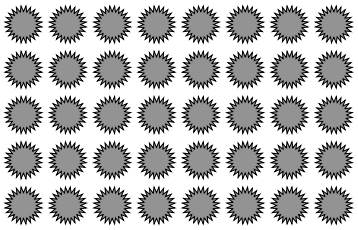
(b)



6 × 4 = 24

or: 4 × 6 = 24

(c)



8 × 5 = 40

or: 5 × 8 = 40

(2) Multiply the pair of numbers in each traffic light. Write your answer in the bottom light.

(a)

(b)

(c)

(d)

(e)

(f)

(3) Find the missing numbers in each of these multiplication questions.

(a) 7 × 4 = 28

(b) 3 × 7 = 21

(c) 12 × 8 = 96

(d) 6 × 8 = 48

(e) 5 × 3 = 15

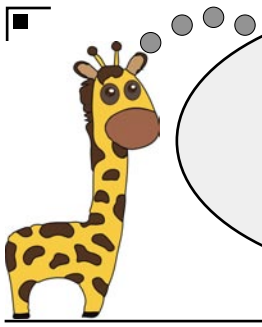
(f) 4 × 4 = 16

(g) 2 × 8 = 16

(h) 3 × 8 = 24

(i) 4 × 11 = 44

(j) 10 × 8 = 80



Maths Homework this week is about:

Division Problems

Answers

Date:

Teacher:

Year 3

(1) Find the missing numbers in each of these division questions.

(a)	55	÷	5	=	11	(b)	96	÷	8	=	12
(c)	27	÷	3	=	9	(d)	30	÷	5	=	6
(e)	56	÷	8	=	7	(f)	64	÷	8	=	8
(g)	60	÷	5	=	12	(h)	21	÷	3	=	7
(i)	30	÷	3	=	10	(j)	72	÷	8	=	9

(2) Find which number you must divide the first weight by to get the second weight.

(a)	600 g	÷	5	=	120 g	(b)	450 g	÷	3	=	150 g
(c)	800 g	÷	2	=	400 g	(d)	720 g	÷	6	=	120 g
(e)	400 g	÷	8	=	50 g	(f)	960 g	÷	8	=	120 g
(g)	170 g	÷	10	=	17 g	(h)	330 g	÷	3	=	110 g
(i)	100 g	÷	4	=	25 g	(j)	560 g	÷	10	=	56 g

(3) 45 sweets were divided equally between 5 children. How many sweets did each child get?

45 ÷ 5

9 Sweets

(4) A pupil walked 15 miles in 3 days. If she walked the same distance each day, how many miles per day did she walk?

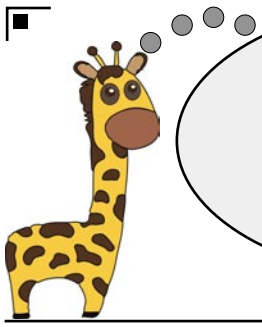
15 ÷ 3

5 Miles

(5) There were 88 pens in 8 packs. If each pack has the same number of pens, how many were in each one?

88 ÷ 8

11 Pens



Maths Homework this week is about:

Introducing Tenths

Answers

Date:

Teacher:

Year **3**

(1) Give the answer to each of these division questions as a fraction.

(a) $2 \div 10 = \frac{2}{10}$

(b) $8 \div 10 = \frac{8}{10}$

(c) $5 \div 10 = \frac{5}{10}$

(d) $9 \div 10 = \frac{9}{10}$

(e) $6 \div 10 = \frac{6}{10}$

(f) $3 \div 10 = \frac{3}{10}$

(g) $4 \div 10 = \frac{4}{10}$

(h) $1 \div 10 = \frac{1}{10}$

(i) $7 \div 10 = \frac{7}{10}$

(2) Count up in tenths from each fraction given.

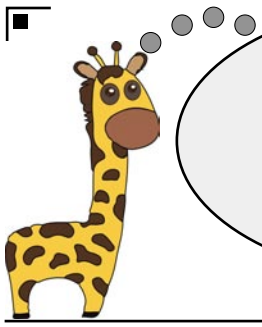
(a) $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$

(b) $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$

(3) Count down in tenths from each fraction given.

(a) $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$

(b) $\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$



Maths Homework this week is about:

Recognising Tenths

Answers

Date:

Teacher:

Year 3

For each shape, give the fraction shaded. Write each answer as a fraction over 10.

(1) 

Fraction shaded: $\frac{4}{10}$

(2) 

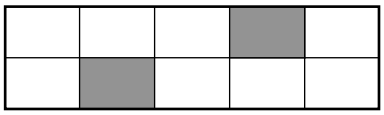
Fraction shaded: $\frac{7}{10}$

(3) 

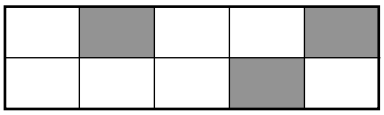
Fraction shaded: $\frac{9}{10}$

(4) 

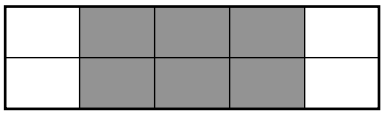
Fraction shaded: $\frac{5}{10}$

(5) 

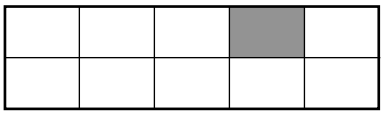
Fraction shaded: $\frac{2}{10}$

(6) 

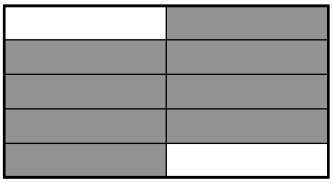
Fraction shaded: $\frac{3}{10}$

(7) 

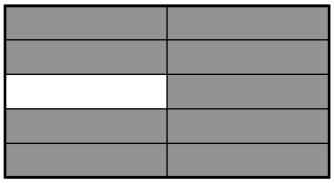
Fraction shaded: $\frac{6}{10}$

(8) 

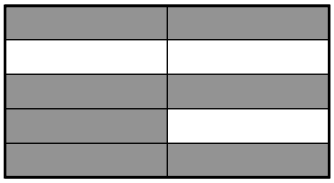
Fraction shaded: $\frac{1}{10}$

(9) 

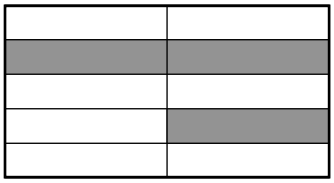
Fraction shaded: $\frac{8}{10}$

(10) 

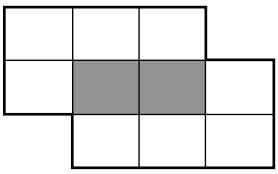
Fraction shaded: $\frac{9}{10}$

(11) 

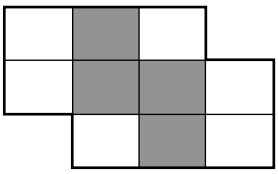
Fraction shaded: $\frac{7}{10}$

(12) 

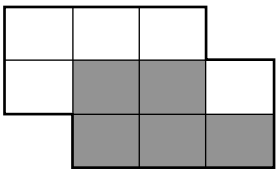
Fraction shaded: $\frac{3}{10}$

(13) 

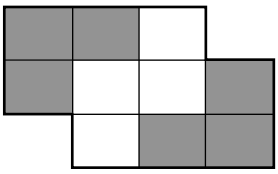
Fraction shaded: $\frac{2}{10}$

(14) 

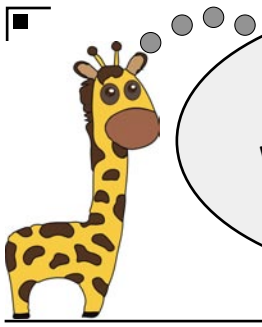
Fraction shaded: $\frac{4}{10}$

(15) 

Fraction shaded: $\frac{5}{10}$

(16) 

Fraction shaded: $\frac{6}{10}$



Maths Homework this week is about:

Writing Fractions of Amounts

Answers

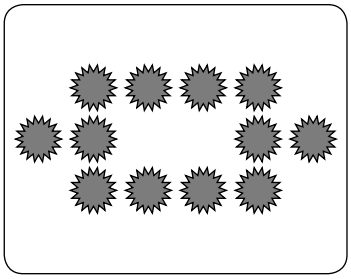
Date:

Teacher:

Year 3

For each set of stars, say how many there are. Then find the fraction of the stars asked.

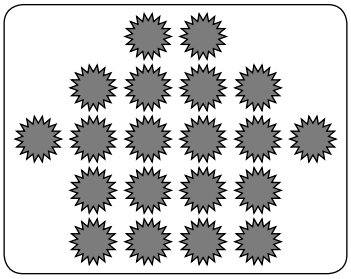
(1)



How many stars? **12**

Find $\frac{1}{3}$ **4**

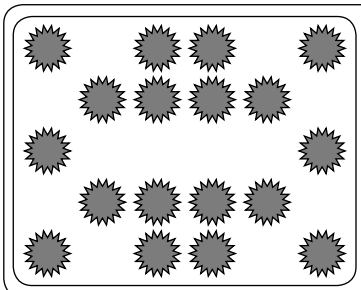
(2)



How many stars? **20**

Find $\frac{1}{4}$ **5**

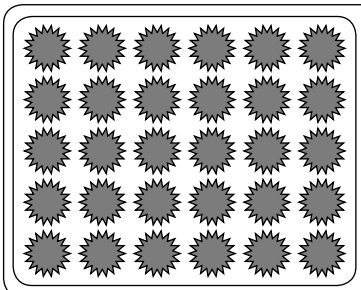
(3)



How many stars? **18**

Find $\frac{1}{2}$ **9**

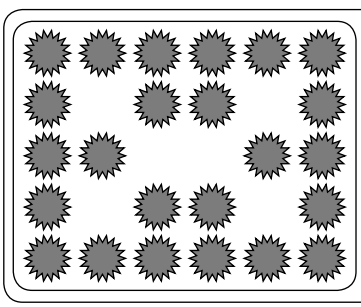
(4)



How many stars? **30**

Find $\frac{1}{6}$ **5**

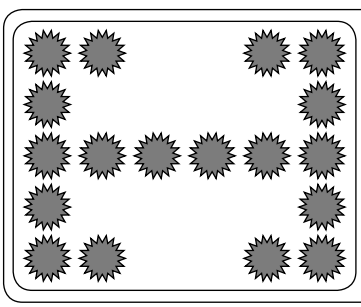
(5)



How many stars? **24**

Find $\frac{1}{8}$ **3**

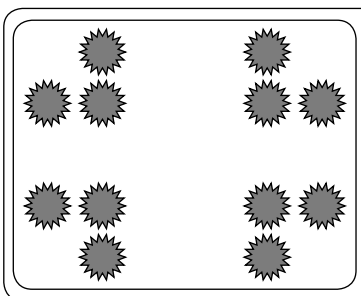
(6)



How many stars? **18**

Find $\frac{1}{9}$ **2**

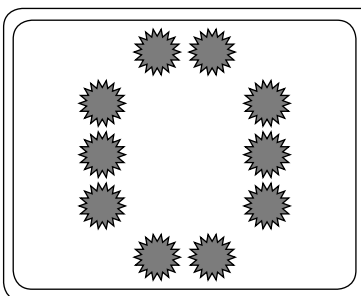
(7)



How many stars? **12**

Find $\frac{2}{3}$ **8**

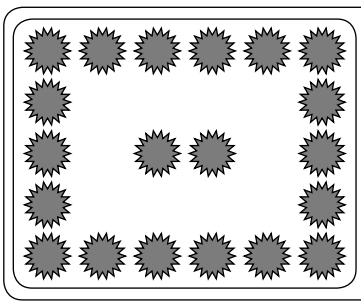
(8)



How many stars? **10**

Find $\frac{2}{5}$ **4**

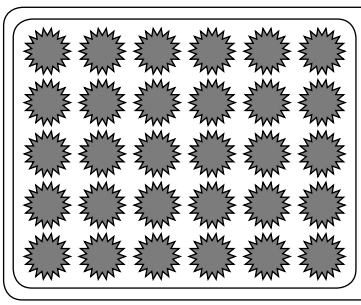
(9)



How many stars? **20**

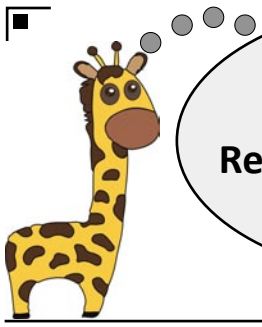
Find $\frac{3}{5}$ **12**

(10)



How many stars? **30**

Find $\frac{3}{10}$ **9**



Maths Homework this week is about:

Recognising Fractions as Numbers

Answers

Date:

Teacher:

Year 3

(1) Say which fractions the arrows are pointing to on each of these number lines.

(a) 0, $\frac{3}{10}$, $\frac{9}{10}$, 1

(b) 0, $\frac{3}{8}$, $\frac{7}{8}$, 1

(c) 0, $\frac{2}{7}$, $\frac{5}{7}$, 1

(d) 0, $\frac{4}{9}$, $\frac{7}{9}$, 1

(e) 0, $\frac{1}{6}$, $\frac{5}{6}$, 1

(2) On each of these number lines, draw an arrow which points to the fraction given.

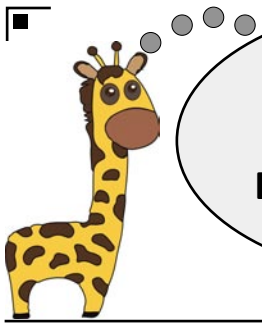
(a) Draw an arrow pointing to: $\frac{1}{10}$

(b) Draw an arrow pointing to: $\frac{5}{9}$

(c) Draw an arrow pointing to: $\frac{4}{7}$

(d) Draw an arrow pointing to: $\frac{5}{8}$

(e) Draw an arrow pointing to: $\frac{7}{10}$



Maths Homework this week is about:

Equivalent Fractions

Answers

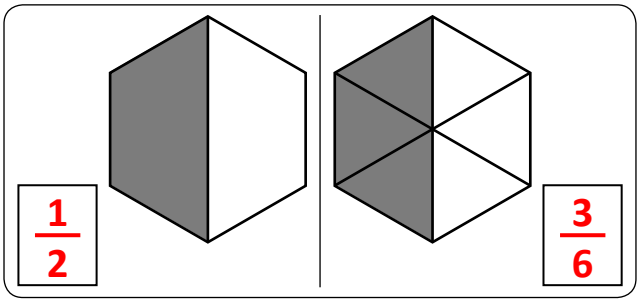
Date:

Teacher:

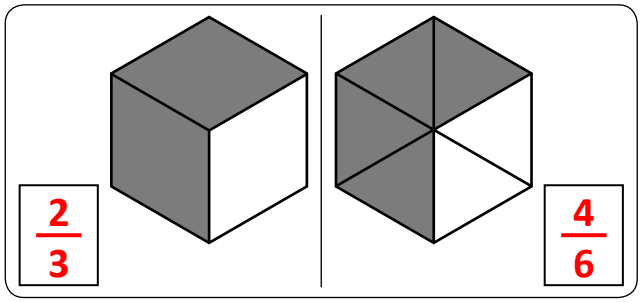
Year **3**

Each question shows two equivalent fractions. Say what fraction of each shape is shaded.
(The bottom number of each fraction should be the total number of sections in the shape).

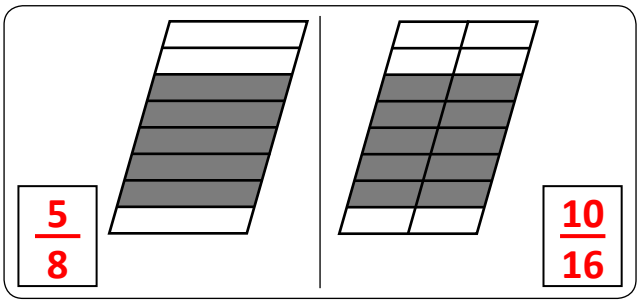
(1)



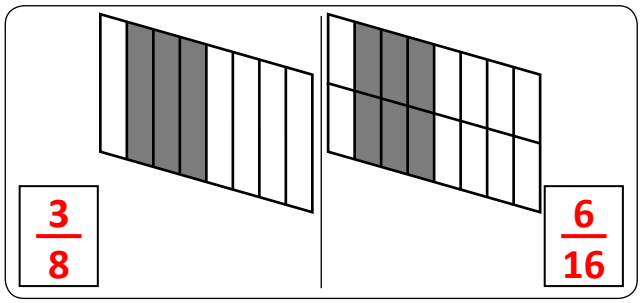
(2)



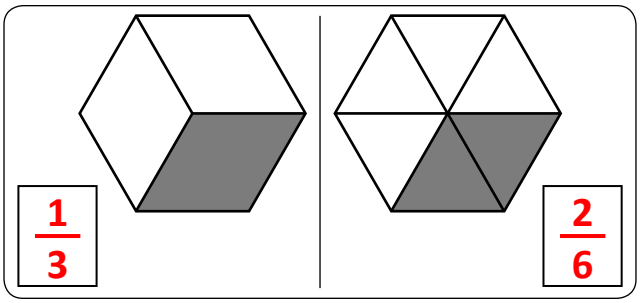
(3)



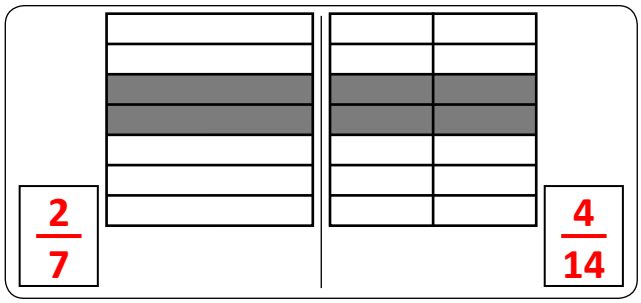
(4)



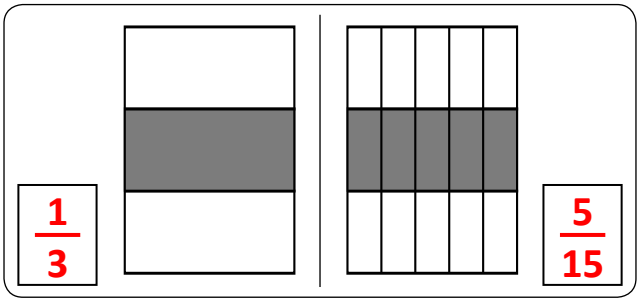
(5)



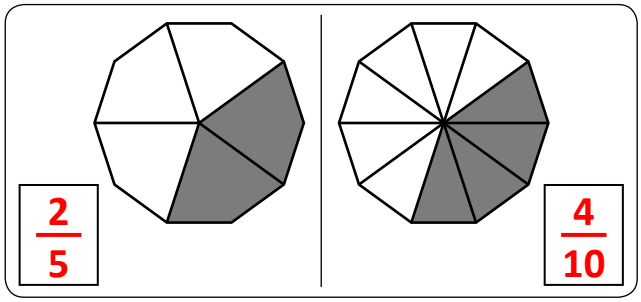
(6)



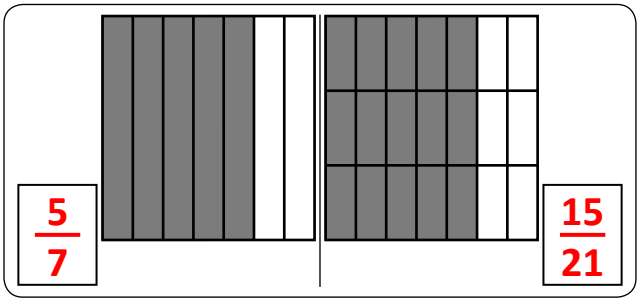
(7)



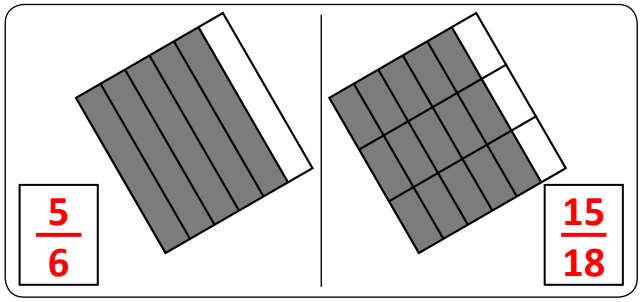
(8)

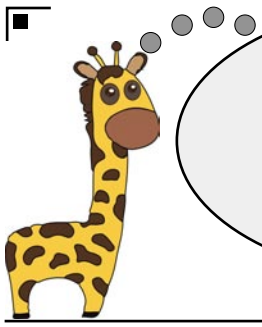


(9)



(10)





Maths Homework this week is about:

Adding Fractions

Answers

Date:

Teacher:

Year **3**

Add each pair of fractions and write your answer in the box.

(1) $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$

(2) $\frac{2}{5} + \frac{2}{5} = \frac{4}{5}$

(3) $\frac{1}{7} + \frac{3}{7} = \frac{4}{7}$

(4) $\frac{1}{8} + \frac{4}{8} = \frac{5}{8}$

(5) $\frac{5}{9} + \frac{2}{9} = \frac{7}{9}$

(6) $\frac{7}{10} + \frac{2}{10} = \frac{9}{10}$

(7) $\frac{3}{12} + \frac{8}{12} = \frac{11}{12}$

(8) $\frac{2}{7} + \frac{3}{7} = \frac{5}{7}$

(9) $\frac{2}{11} + \frac{8}{11} = \frac{10}{11}$

(10) $\frac{2}{12} + \frac{3}{12} = \frac{5}{12}$

(11) $\frac{2}{8} + \frac{5}{8} = \frac{7}{8}$

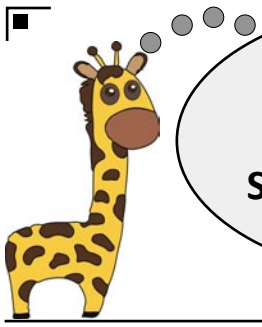
(12) $\frac{6}{11} + \frac{3}{11} = \frac{9}{11}$

(13) $\frac{4}{7} + \frac{2}{7} = \frac{6}{7}$

(14) $\frac{6}{13} + \frac{3}{13} = \frac{9}{13}$

(15) $\frac{2}{15} + \frac{11}{15} = \frac{13}{15}$

(16) $\frac{1}{9} + \frac{4}{9} = \frac{5}{9}$



Maths Homework this week is about:

Subtracting Fractions

Answers

Date:

Teacher:

Year 3

Subtract each pair of fractions and write your answer in the box.

(1) $\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$

(2) $\frac{4}{5} - \frac{1}{5} = \frac{3}{5}$

(3) $\frac{6}{7} - \frac{4}{7} = \frac{2}{7}$

(4) $\frac{7}{8} - \frac{4}{8} = \frac{3}{8}$

(5) $\frac{8}{9} - \frac{6}{9} = \frac{2}{9}$

(6) $\frac{7}{11} - \frac{1}{11} = \frac{6}{11}$

(7) $\frac{9}{12} - \frac{8}{12} = \frac{1}{12}$

(8) $\frac{5}{7} - \frac{1}{7} = \frac{4}{7}$

(9) $\frac{8}{13} - \frac{3}{13} = \frac{5}{13}$

(10) $\frac{11}{15} - \frac{7}{15} = \frac{4}{15}$

(11) $\frac{11}{12} - \frac{6}{13} = \frac{5}{12}$

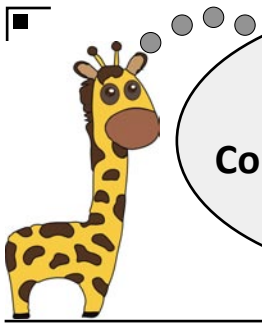
(12) $\frac{7}{10} - \frac{4}{10} = \frac{3}{10}$

(13) $\frac{6}{8} - \frac{5}{8} = \frac{1}{8}$

(14) $\frac{15}{17} - \frac{9}{17} = \frac{6}{17}$

(15) $\frac{11}{14} - \frac{2}{14} = \frac{9}{14}$

(16) $\frac{11}{13} - \frac{6}{13} = \frac{5}{13}$



Maths Homework this week is about:

Comparing and Ordering Fractions

Answers

Date:

Teacher:

Year 3

(1) Write **bigger** or **smaller** in the box for each pair of fractions.

(a) $\frac{1}{3}$ is **smaller** than $\frac{1}{2}$

(b) $\frac{1}{6}$ is **bigger** than $\frac{1}{7}$

(c) $\frac{1}{8}$ is **bigger** than $\frac{1}{9}$

(d) $\frac{1}{11}$ is **bigger** than $\frac{1}{12}$

(e) $\frac{1}{4}$ is **smaller** than $\frac{1}{3}$

(f) $\frac{1}{9}$ is **smaller** than $\frac{1}{5}$

(g) $\frac{3}{8}$ is **smaller** than $\frac{5}{8}$

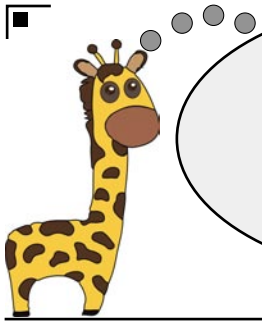
(h) $\frac{5}{7}$ is **bigger** than $\frac{2}{7}$

(i) $\frac{5}{7}$ is **bigger** than $\frac{4}{7}$

(j) $\frac{2}{5}$ is **smaller** than $\frac{4}{5}$

(2) Put each set of fractions in order from **smallest** to **biggest**.

		smallest		**biggest**
(a)	$\frac{1}{3}$ $\frac{1}{5}$ $\frac{1}{4}$	→	$\frac{1}{5}$	$\frac{1}{4}$ $\frac{1}{3}$
(b)	$\frac{1}{2}$ $\frac{1}{5}$ $\frac{1}{9}$	→	$\frac{1}{9}$	$\frac{1}{5}$ $\frac{1}{2}$
(c)	$\frac{1}{6}$ $\frac{1}{3}$ $\frac{1}{4}$	→	$\frac{1}{6}$	$\frac{1}{4}$ $\frac{1}{3}$
(d)	$\frac{3}{7}$ $\frac{6}{7}$ $\frac{2}{7}$	→	$\frac{2}{7}$	$\frac{3}{7}$ $\frac{6}{7}$
(e)	$\frac{4}{9}$ $\frac{1}{9}$ $\frac{7}{9}$	→	$\frac{1}{9}$	$\frac{4}{9}$ $\frac{7}{9}$
(f)	$\frac{7}{8}$ $\frac{6}{8}$ $\frac{2}{8}$	→	$\frac{2}{8}$	$\frac{6}{8}$ $\frac{7}{8}$



Maths Homework this week is about:

Finding Fractions

Answers

Date:

Teacher:

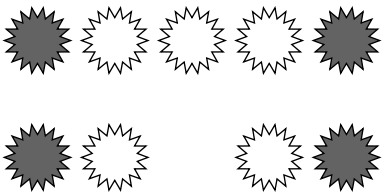
Year 3

For each question, say what fraction of the stars are shaded.

(1)

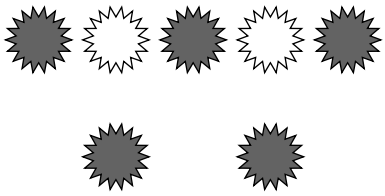
Fraction shaded $\frac{1}{2}$

(2)



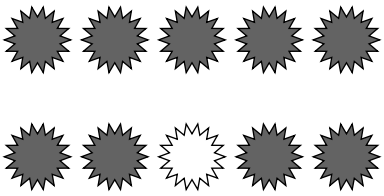
Fraction shaded $\frac{4}{9}$

(3)



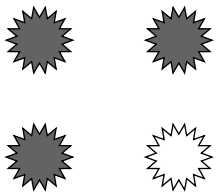
Fraction shaded $\frac{5}{7}$

(4)



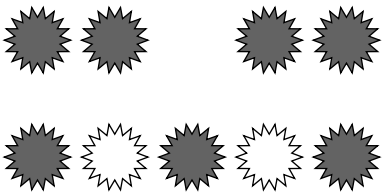
Fraction shaded $\frac{9}{10}$

(5)



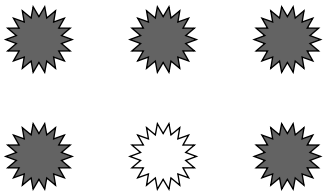
Fraction shaded $\frac{3}{4}$

(6)



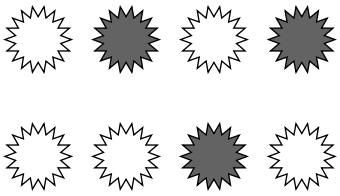
Fraction shaded $\frac{7}{9}$

(7)



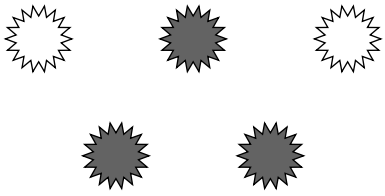
Fraction shaded $\frac{5}{6}$

(8)



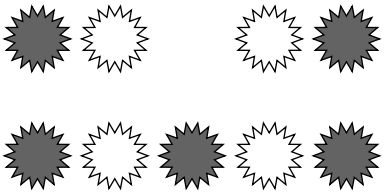
Fraction shaded $\frac{3}{8}$

(9)



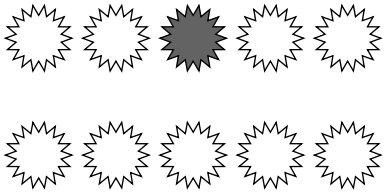
Fraction shaded $\frac{3}{5}$

(10)



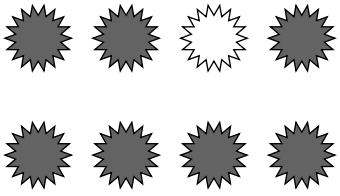
Fraction shaded $\frac{5}{9}$

(11)

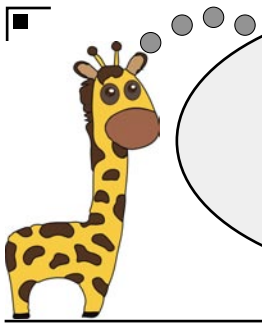


Fraction shaded $\frac{1}{10}$

(12)



Fraction shaded $\frac{7}{8}$



Maths Homework this week is about:

Measuring Lengths

Answers

Date:

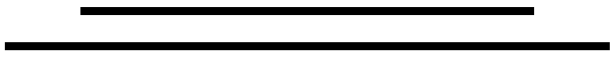
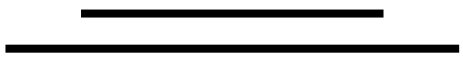
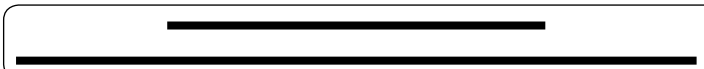
Teacher:

Year **3**

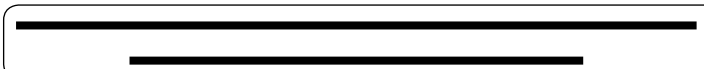
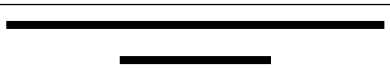
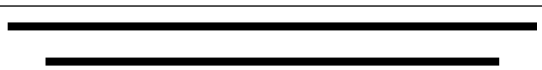
(1) Measure the length of each line. Write your answers in the boxes.

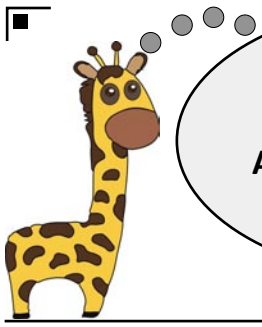
		length of line
(a)		12 cm
(b)		14 cm
(c)		10 cm
(d)		13 cm
(e)		11 cm

(2) Measure each pair of lines, in centimetres. Then add your answers together to find the total length of each pair.

		length of top line:	length of bottom line:	total length of lines:
(a)		9 cm	7 cm	16 cm
(b)		6 cm	8 cm	14 cm
(c)		4 cm	6 cm	10 cm
(d)		7 cm	3 cm	10 cm
(e)		5 cm	9 cm	14 cm

(3) Measure each pair of lines, in centimetres. Then subtract the smaller number from the larger number to see how much longer the top line is than the bottom line.

		length of top line:	length of bottom line:	top line is longer by:
(a)		8 cm	1 cm	7 cm
(b)		6 cm	4 cm	2 cm
(c)		9 cm	6 cm	3 cm
(d)		5 cm	2 cm	3 cm
(e)		7 cm	6 cm	1 cm



Maths Homework this week is about:

Adding and Subtracting Masses

Answers

Date:

Teacher:

Year 3

(1) Add each pair of weights.

(a) 14 g + 8 g = 22 g

(b) 12 kg + 16 kg = 28 kg

(c) 25 g + 17 g = 42 g

(d) 32 g + 26 g = 58 g

(e) 31 kg + 19 kg = 50 kg

(f) 41 kg + 26 kg = 67 kg

(g) 38 kg + 47 kg = 85 kg

(h) 33 g + 44 g = 77 g

(i) 55 k + 39 g = 94 g

(j) 47 kg + 48 kg = 95 kg

(2) Subtract each pair of weights to find how much heavier the heaviest weight is.

(a) 62 g - 40 g = 22 g

(b) 89 kg - 76 kg = 13 kg

(c) 63 kg - 36 kg = 27 kg

(d) 58 g - 21 g = 37 g

(e) 78 g - 23 g = 55 g

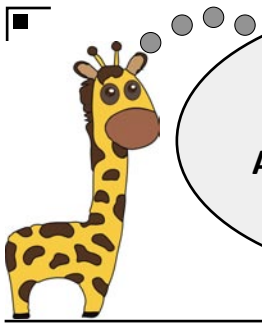
(f) 73 kg - 32 kg = 41 kg

(g) 81 kg - 19 kg = 62 kg

(h) 97 kg - 11 kg = 86 kg

(i) 83 g - 44 g = 39 g

(j) 94 g - 49 g = 45 g



Maths Homework this week is about:

Adding and Subtracting Volumes

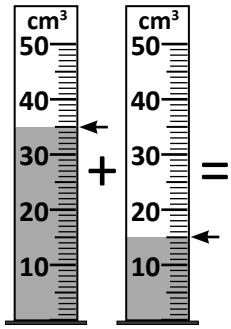
Answers

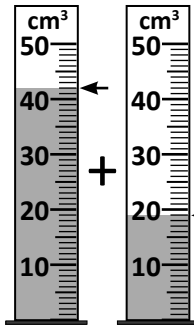
Date:

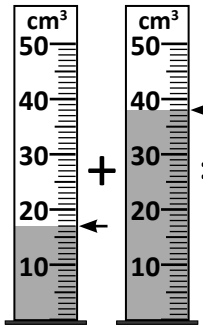
Teacher:

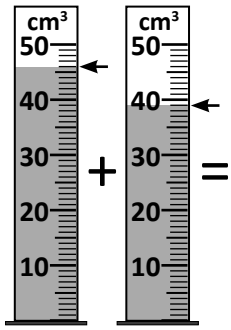
Year 3

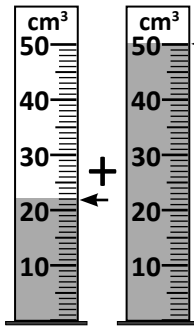
(1) Find the total amount of liquid in each pair of measuring cylinders.

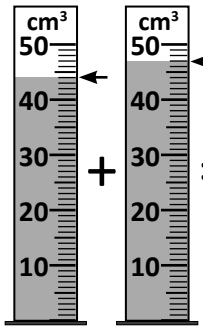
(a)  **50 cm³**

(b)  **61 cm³**

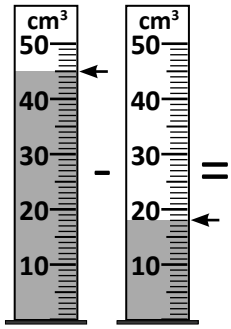
(c)  **55 cm³**

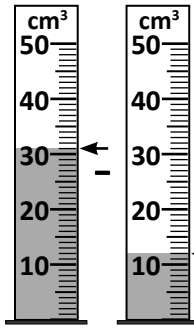
(d)  **85 cm³**

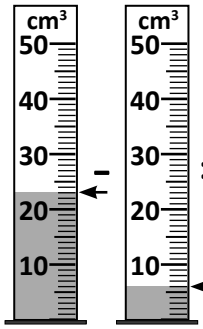
(e)  **72 cm³**

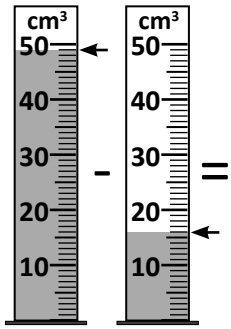
(f)  **91 cm³**

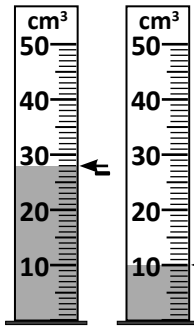
(2) Subtract to find how much more liquid there is in the first measuring cylinder than in the second.

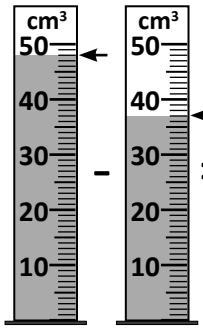
(a)  **27 cm³**

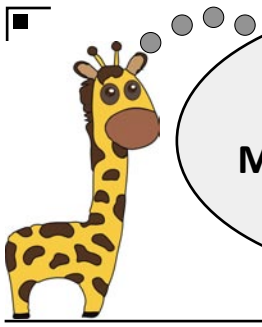
(b)  **19 cm³**

(c)  **17 cm³**

(d)  **33 cm³**

(e)  **18 cm³**

(f)  **11 cm³**



Maths Homework this week is about:

Measuring Perimeters of Shapes

Answers

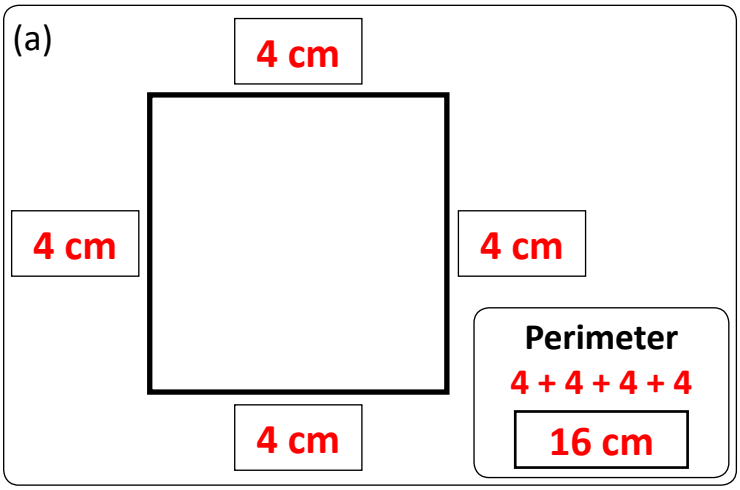
Date:

Teacher:

Year 3

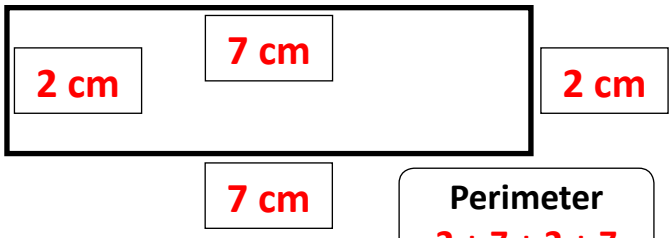
For each shape, measure each side length in centimetres and write the lengths in the boxes. Then add the lengths together to find the perimeter of the shape.

(a)



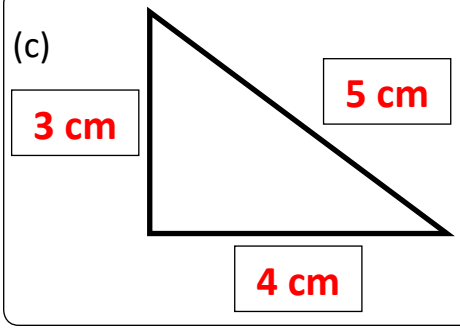
Perimeter
4 + 4 + 4 + 4
16 cm

(b)



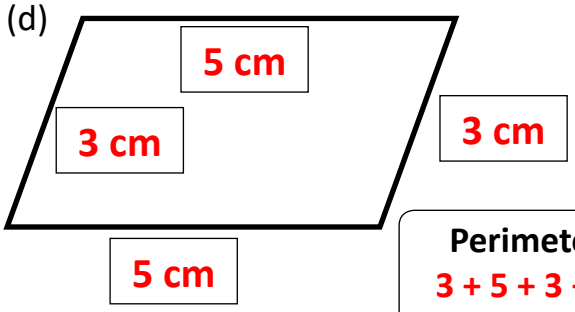
Perimeter
2 + 7 + 2 + 7
18 cm

(c)



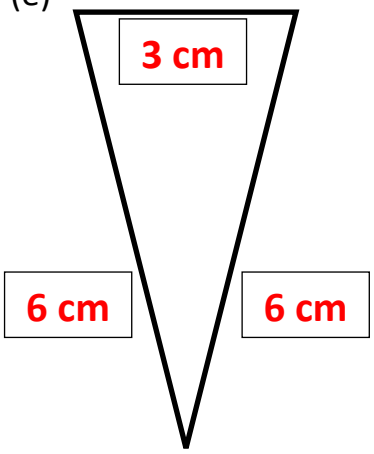
Perimeter
3 + 4 + 5
12 cm

(d)



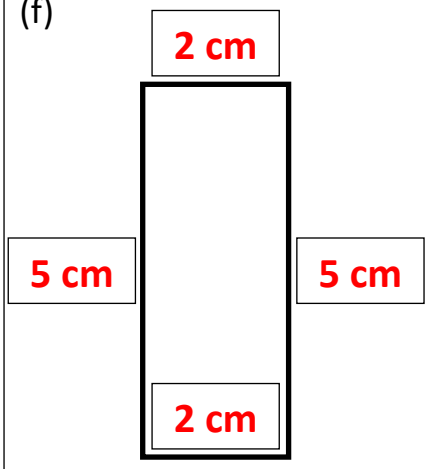
Perimeter
3 + 5 + 3 + 5
16 cm

(e)



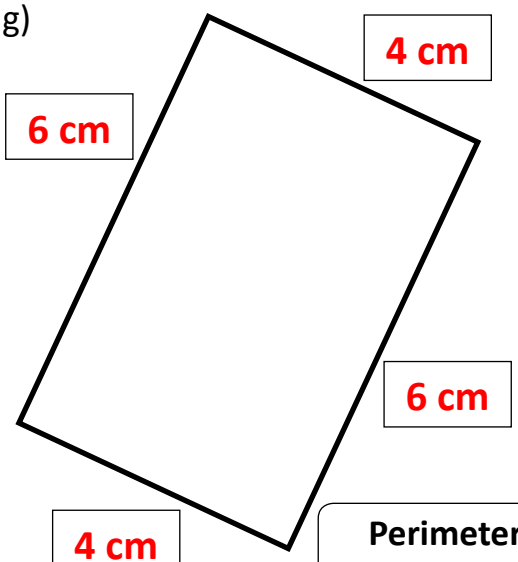
Perimeter
6 + 6 + 3
15 cm

(f)

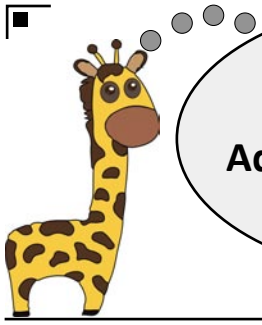


Perimeter
5 + 2 + 5 + 2
14 cm

(g)



Perimeter
4 + 6 + 4 + 6
20 cm



Maths Homework this week is about:

Adding and Subtracting Money

Answers

Date:

Teacher:

Year **3**

(1) Say how much money there is in each box.

(a) 

Total: £0.37

(b) 

Total: £0.88

(c) 

Total: £1.46

(d) 

Total: £2.15

(e) 

Total: £2.94

(f) 

Total: £3.53

(2) Find how much change you will get from £5 if you spend each of the following amounts.

(a) You spend: **£1.15** — Change from £5: **£3.85**

(b) You spend: **£1.84** — Change from £5: **£3.16**

(c) You spend: **£2.11** — Change from £5: **£2.89**

(d) You spend: **£3.41** — Change from £5: **£1.59**

(e) You spend: **£3.89** — Change from £5: **£1.11**

(f) You spend: **£4.12** — Change from £5: **£0.88**

(3) Find how much change you will get from £10 if you spend each of the following amounts.

(a) You spend: **£1.61** — Change from £10: **£8.39**

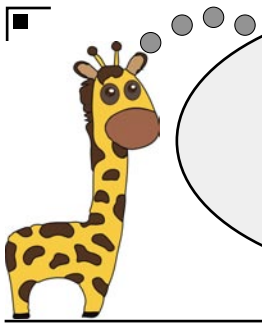
(b) You spend: **£3.57** — Change from £10: **£6.43**

(c) You spend: **£4.70** — Change from £10: **£5.30**

(d) You spend: **£6.93** — Change from £10: **£3.07**

(e) You spend: **£7.38** — Change from £10: **£2.62**

(f) You spend: **£8.14** — Change from £10: **£1.86**



Maths Homework this week is about:

Reading Time

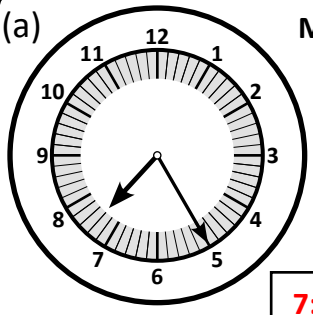
Answers

Date:

Teacher:

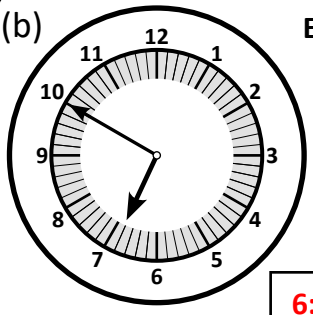
Year **3**

(1) Say what time is shown on each of these clocks as an a.m. or p.m. time.

(a) 

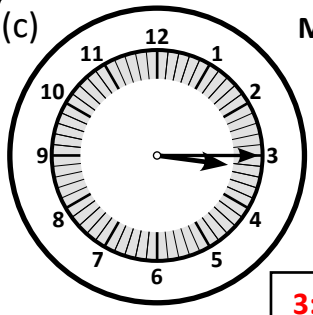
Morning

time: **7:25 a.m.**

(b) 

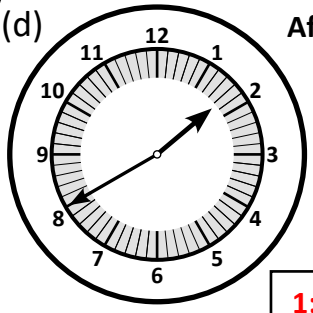
Evening

time: **6:50 p.m.**

(c) 

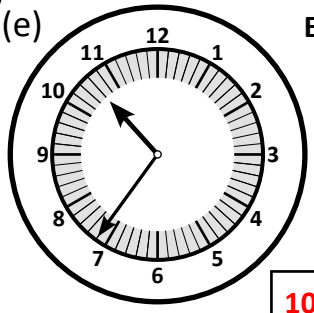
Morning

time: **3:15 a.m.**

(d) 

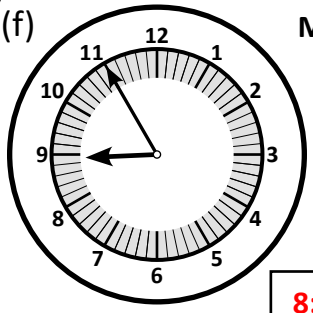
Afternoon

time: **1:40 p.m.**

(e) 

Evening

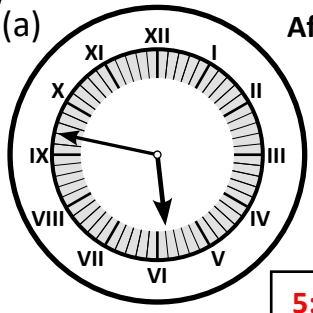
time: **10:36 p.m.**

(f) 

Morning

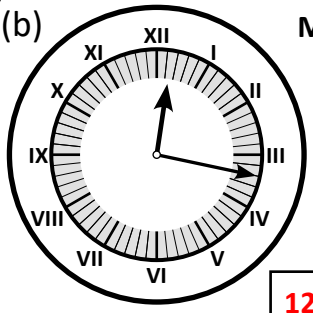
time: **8:55 a.m.**

(2) These clocks have Roman numerals.
Say what time is shown on each one as an a.m. or p.m. time.

(a) 

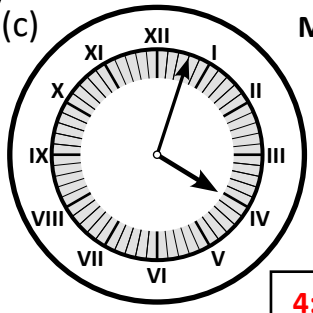
Afternoon

time: **5:47 p.m.**

(b) 

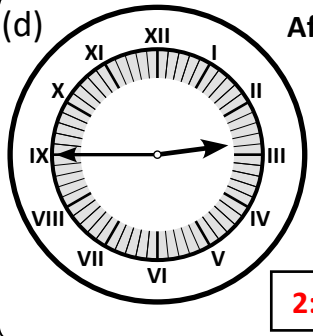
Morning

time: **12:17 a.m.**

(c) 

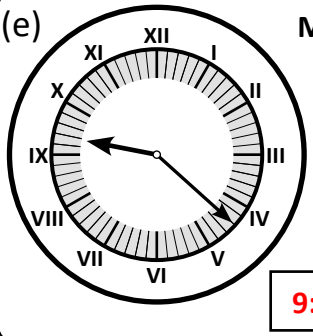
Morning

time: **4:03 a.m.**

(d) 

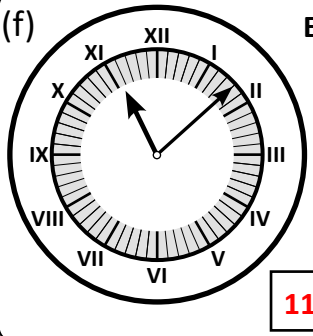
Afternoon

time: **2:45 p.m.**

(e) 

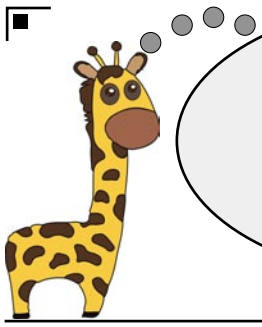
Morning

time: **9:22 a.m.**

(f) 

Evening

time: **11:08 p.m.**



Maths Homework this week is about:

Time Questions

Answers

Date:

Teacher:

Year 3

(1) How many seconds are there in two minutes?

120

(2) How many days are there in December?

31

(3) 35 days is how many weeks?

5

(4) 660 seconds is how many minutes?

11

(5) 240 seconds is how many minutes?

4

(6) 180 minutes is how many hours?

3

(7) How many days are there in a year when it is not a leap year?

365

(8) Give the number of seconds in five minutes.

300

(9) Give the number of days in April.

30

(10) How many days are there in eight weeks?

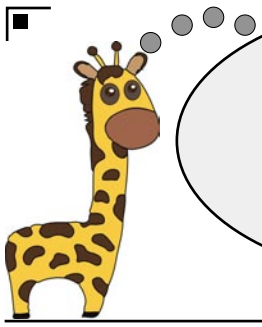
56

(11) How many seconds are there in one and a half minutes?

90

(12) How many minutes are there in eight hours?

480



Maths Homework this week is about:

2D Shapes

Answers

Date:

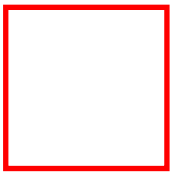
Teacher:

Year 3

Draw each of the following shapes as accurately as possible.
Then answer the questions about each one.

Accept any correct diagram.

(1) **Square**



What can you say about the lengths of all the sides?

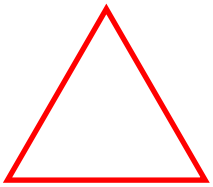
They are all equal.

(2) **Rectangle**

What is the size of each angle in this shape?

90°

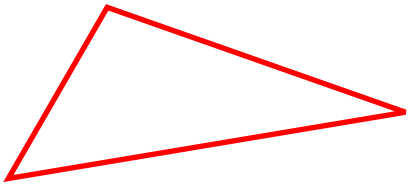
(3) **Equilateral Triangle**



What is the size of each angle in this shape?

60°

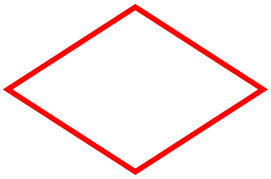
(4) **Scalene Triangle**



What can you say about the lengths of the sides?

They are all different.

(5) **Rhombus**



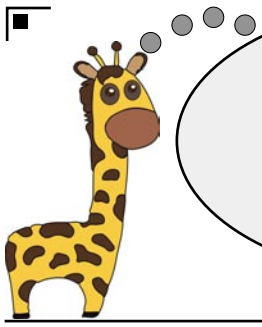
What can you say about the lengths of the sides?

They are all equal.

(6) **Parallelogram**

What can you say about the lengths of opposite (parallel) sides?

They are equal.



Maths Homework this week is about:

Recognising Angles

Answers

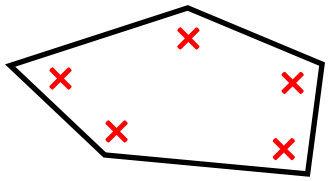
Date:

Teacher:

Year **3**

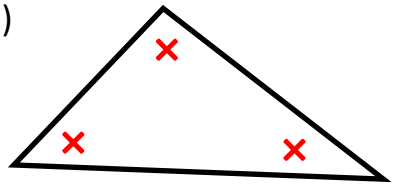
(1) Say how many angles there are inside each of these shapes. Put a cross in each angle.

(a)



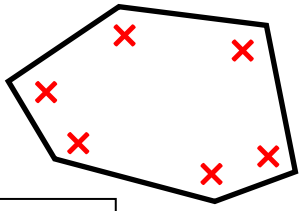
5 angles inside.

(b)



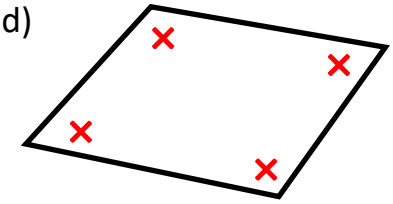
3 angles inside.

(c)



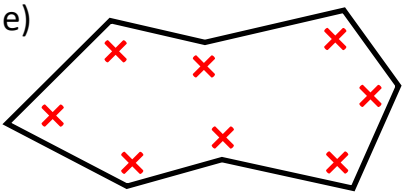
6 angles inside.

(d)



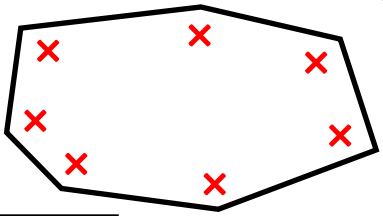
4 angles inside.

(e)



8 angles inside.

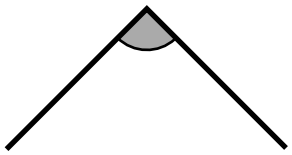
(f)



7 angles inside.

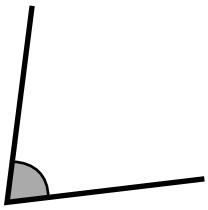
(2) Write **Yes** or **No** in each box to say whether each of these angles is a right angle or not.

(a)



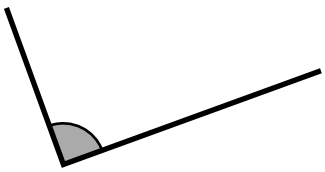
Yes

(b)



No

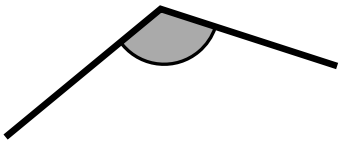
(c)



Yes

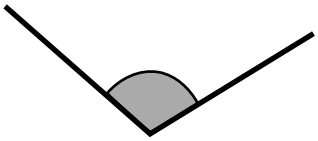
(3) Write **More** or **Less** in each box to say whether each of these angles more or less than a right angle.

(a)



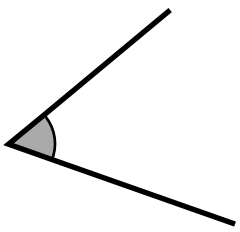
More

(b)

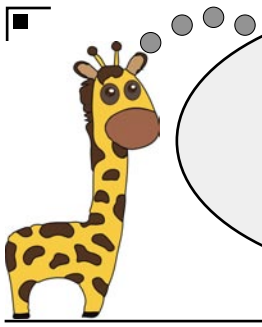


More

(c)



Less



Maths Homework this week is about:

Lines

Answers

Date:

Teacher:

Year 3

For each question put a circle around the correct word or words which describe the lines.

(1)

(Horizontal)

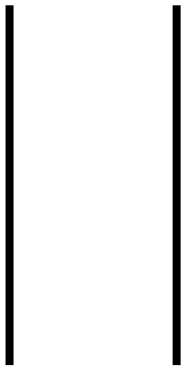
Vertical

(Parallel)

Perpendicular

None of these

(2)



Horizontal

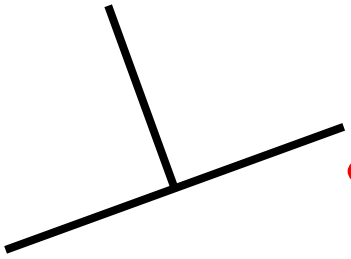
(Vertical)

(Parallel)

Perpendicular

None of these

(3)



Horizontal

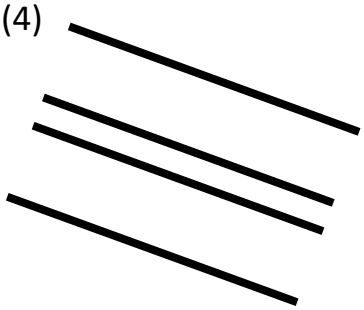
Vertical

Parallel

(Perpendicular)

None of these

(4)



Horizontal

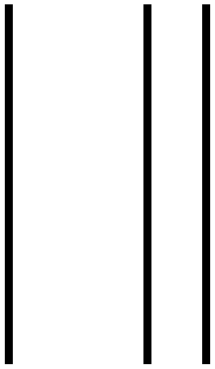
Vertical

(Parallel)

Perpendicular

None of these

(5)



Horizontal

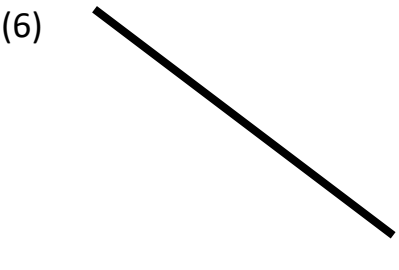
(Vertical)

(Parallel)

Perpendicular

None of these

(6)



Horizontal

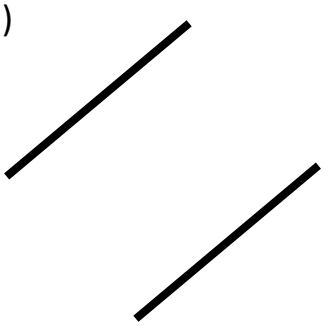
Vertical

Parallel

Perpendicular

(None of these)

(7)



Horizontal

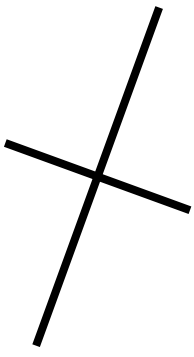
Vertical

(Parallel)

Perpendicular

None of these

(8)



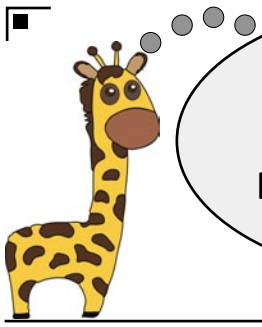
Horizontal

Vertical

Parallel

(Perpendicular)

None of these



Maths Homework this week is about:

Drawing Pictograms

Answers

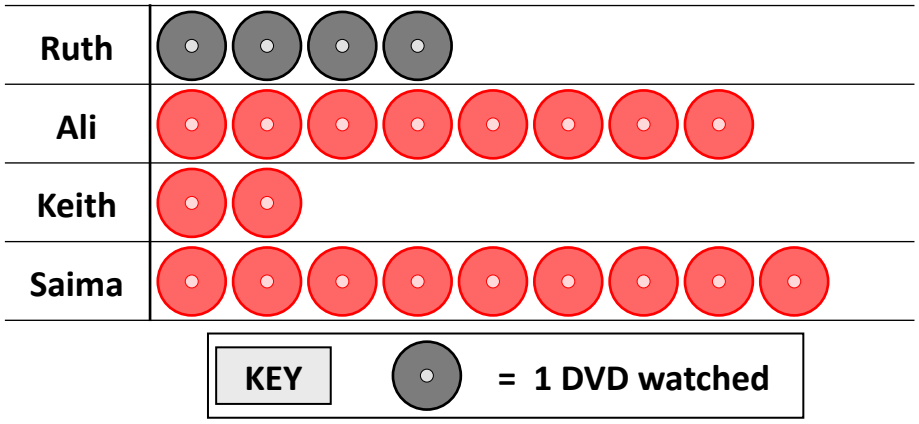
Date:

Teacher:

Year 3

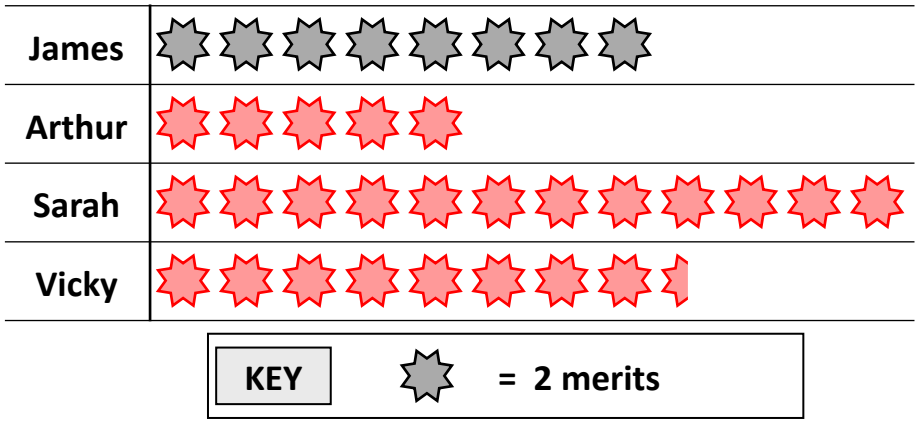
(1) Complete the pictogram to show the number of DVDs watched by four people last week.

Person	Number of DVDs watched
Ruth	4
Ali	8
Keith	2
Saima	9



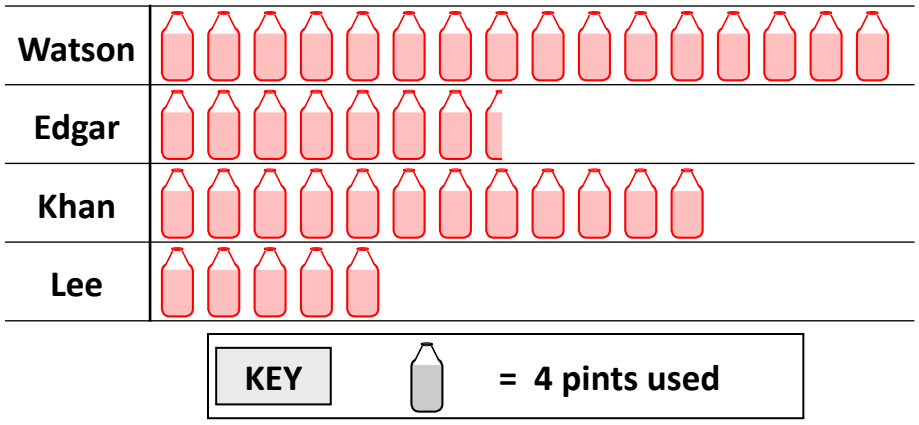
(2) Complete the pictogram to show how many merits some pupils achieved one month.

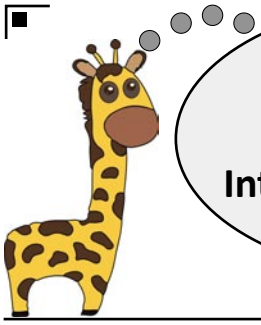
Pupil	Number of merits
James	16
Arthur	10
Sarah	24
Vicky	17



(3) Draw a pictogram to show how many pints of milk were used by four families one month.

Family	Number of pints used
Watson	64
Edgar	30
Khan	48
Lee	20





Maths Homework this week is about:

Interpreting Pictograms

Answers

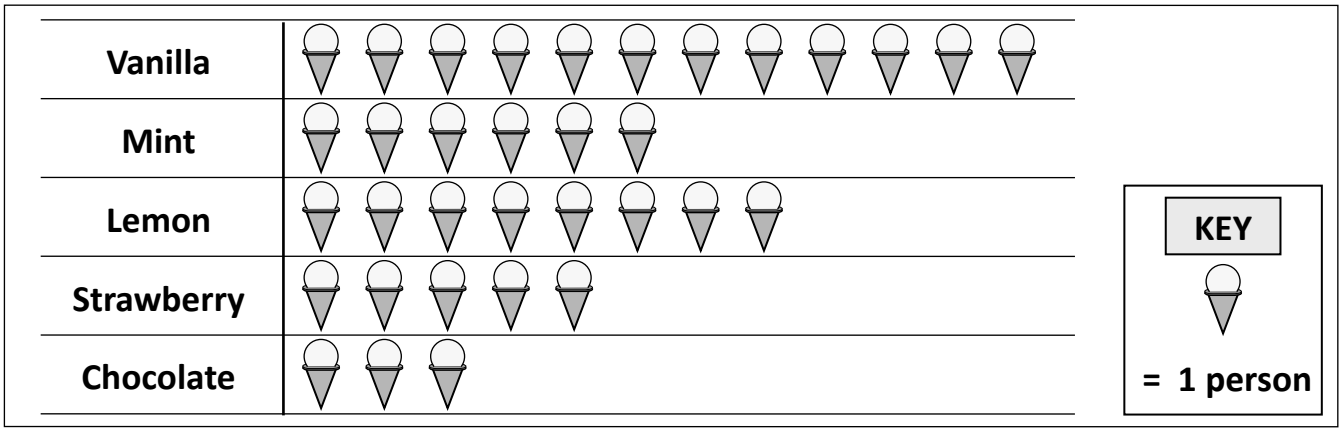
Date:

Teacher:

Year 3

Answer the questions about each pictogram.

(1) Pictogram to show the favourite ice cream flavours of a group of people.



(a) How many people chose Lemon as their favourite flavour? **8**

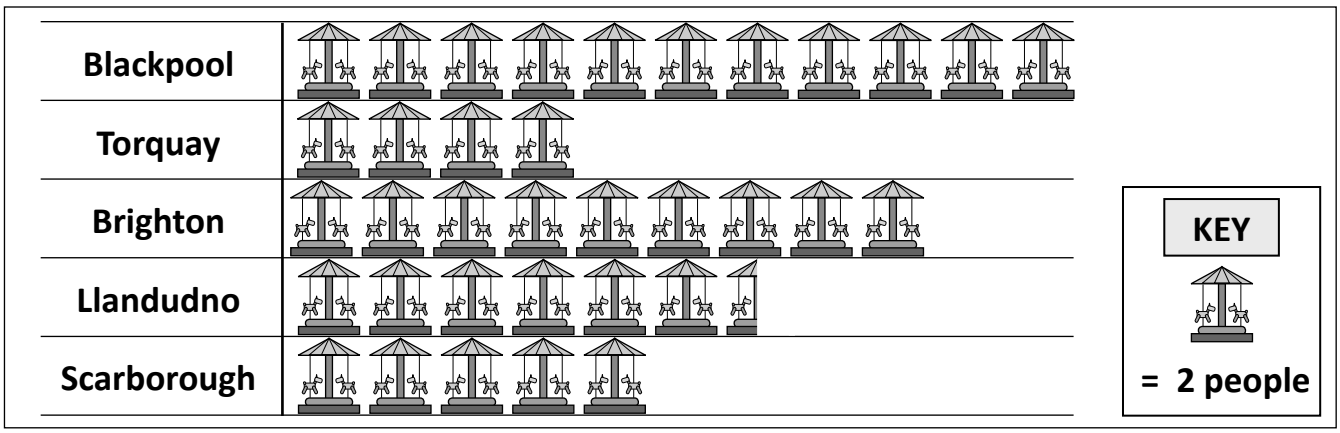
(b) Which flavour was chosen by 12 people? **Vanilla**

(c) Chocolate is the favourite flavour of how many people? **3**

(d) How many more people prefer Mint than Strawberry? **1**

(e) How many less people prefer Chocolate than Vanilla? **9**

(2) Pictogram to show the favourite seaside resorts for a group of pupils.



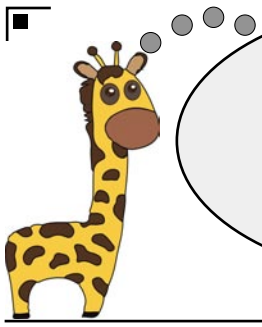
(a) How many pupils' favourite resort is Scarborough? **10**

(b) Which resort is the favourite of exactly 18 pupils? **Brighton**

(c) Llandudno is the favourite resort of how many pupils? **13**

(d) How many more pupils prefer Blackpool that Torquay? **14**

(e) How many less people prefer Scarborough than Brighton? **8**



Maths Homework this week is about:

Drawing Bar Charts

Answers

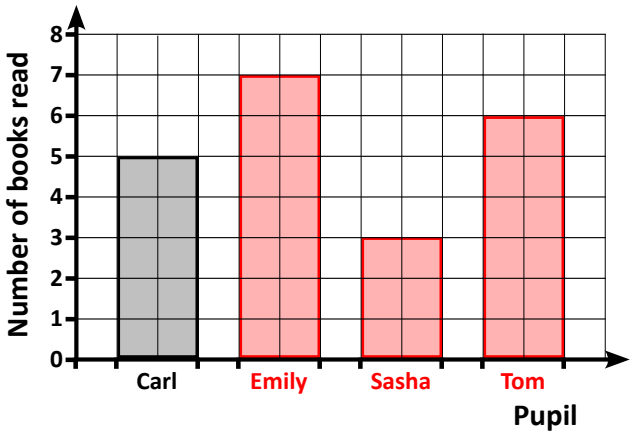
Date:

Teacher:

Year 3

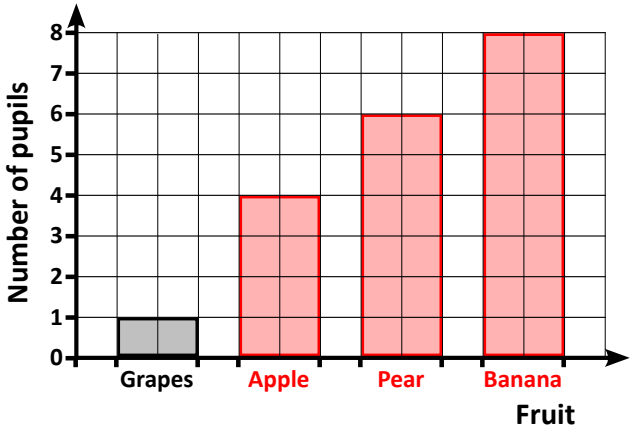
(1) Complete the bar chart to show the number of books read by four pupils in a class last month.

Pupil	Number of books read
Carl	5
Emily	7
Sasha	3
Tom	6



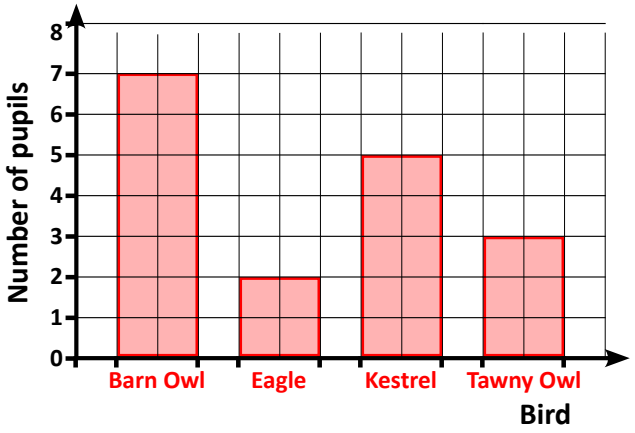
(2) Complete the bar chart to show which fruits pupils ate at school for a snack one day.

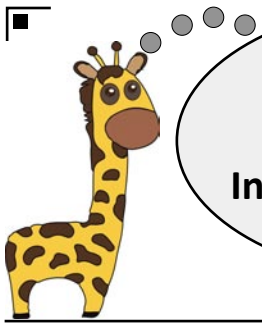
Fruit	Number of pupils
Grapes	1
Apple	4
Pear	6
Banana	8



(3) Some pupils were asked their favourite bird after a visit to a bird sanctuary. Their answers are in the table below. Draw a bar chart to show their favourites.

Bird	Number of pupils
Barn Owl	7
Eagle	2
Kestrel	5
Tawny Owl	3





Maths Homework this week is about:

Interpreting Bar Charts

Answers

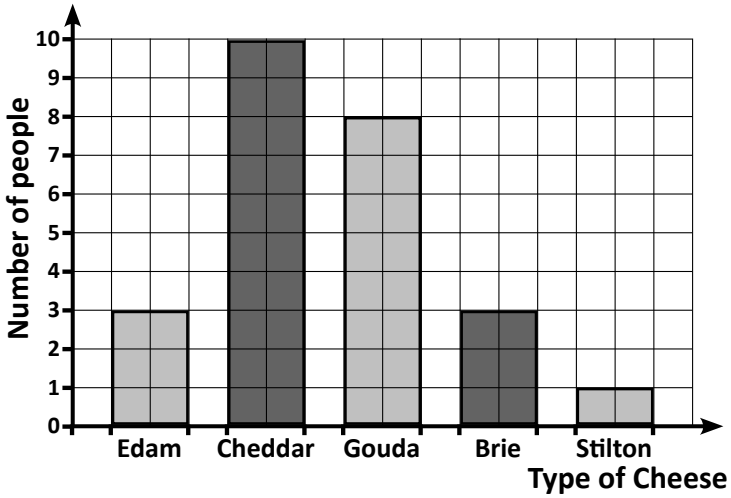
Date:

Teacher:

Year **3**

Answer the questions about each bar chart.

(1) Bar chart to show the favourite types of cheese of a group of people.



(a) Which is the most popular type of cheese? **Cheddar**

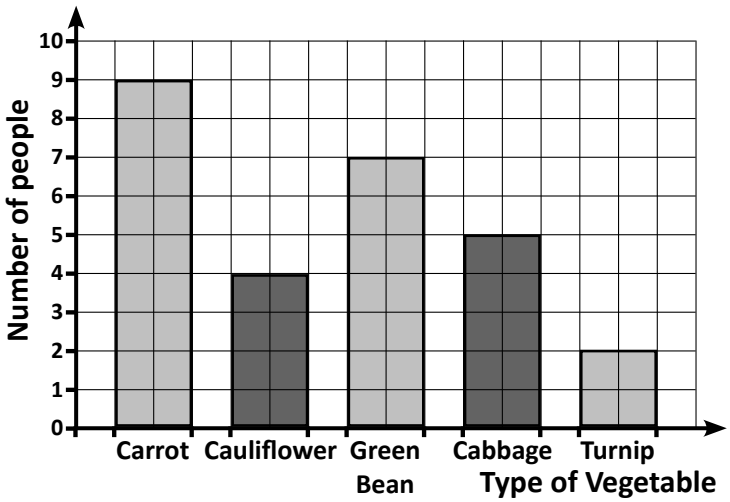
(b) Which cheese is as equally popular as Edam? **Brie**

(c) How many people prefer Gouda? **8**

(d) How many people chose the least popular type of cheese? **1**

(e) How many more people prefer Cheddar than Edam? **7**

(2) Bar chart to show the favourite vegetables for a group of people.



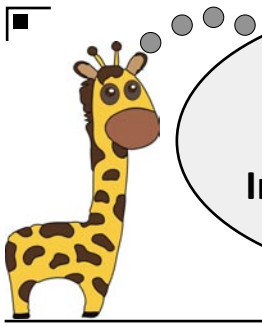
(a) Which is the least popular vegetable? **Turnip**

(b) How many people prefer Green Beans? **7**

(c) Which vegetable did exactly four people choose? **Cauliflower**

(d) How many people chose the most popular vegetable? **9**

(e) How many more people prefer Cabbage than Turnip? **3**



Maths Homework this week is about:

Information in Tables

Answers

Date:

Teacher:

Year **3**

This table gives the number of different types of sweets in a large box.

Use the table to answer the questions below.

Type of Sweet	Number
Chocolate Block	36
Orange Creme	18
Mint Creme	21
Hazelnut Caramel	9
Almond Chocolate	24
Lemon Creme	17
Butter Fudge	33
Marzipan Chunk	14
Toffee Triangle	45
Chocolate Toffee	29

(1) How many Almond Chocolates are there?

24

(2) There are exactly 33 of which type of chocolate?

Butter Fudge

(3) There are 20 more Chocolate Toffees than which other type of sweet?

Hazelnut Caramel

(4) How many more Mint Cremes than Lemon Cremes are there?

4

(5) How many Toffee Triangles are there?

45

(6) How many fewer Marzipan Chunks than Chocolate Blocks are there?

22

(7) There are exactly 18 of which type of sweet?

Orange Creme

(8) How many more Toffee Triangles than Almond Chocolates are there?

21

(9) How many fewer Lemon Cremes than Chocolate Toffees are there?

12

(10) There are 22 more Chocolate Blocks than which type of sweet?

Marzipan Chunks