Key stage 2

Mathematics

Paper 1: arithmetic

First Name	
Middle Name	
Last Name	
Date of Birth	
School Name	

Published May 2020

Instructions

You **must not** use a calculator to answer any questions in this test.

Questions and answers

You will have as long as you would like to complete this test

Work as quickly and as carefully as you can.

Miss Bucarelli has tried her best to answer all arithmetic questions in this test but may have made some mistakes.

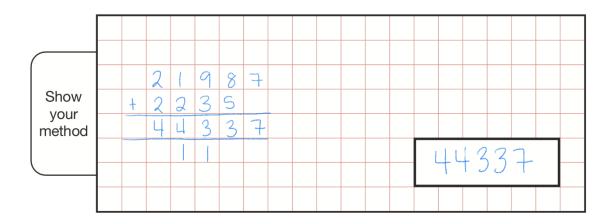Try your best to identify and correct the mistakes that Miss Bucarelli has made.

If you cannot do a question, go on to the next one. You can come back to it later, if you have time.

If you finish before the end, **go back and check your work**

Marks
The number at the side of the page tells you the number of marks available for each question.

Q1. 21,987 + 2,235 =

Show your method

$$
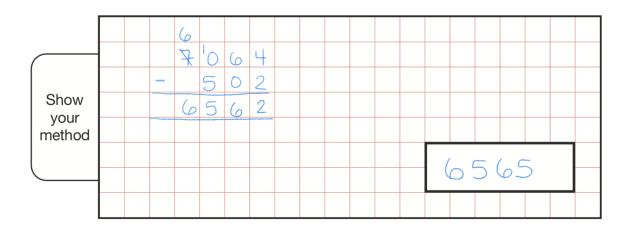\begin{array}{r}
2\ 1\ 9\ 8\ 7 \\
+\ \ 2\ 2\ 3\ 5 \\
\hline
4\ 4\ 3\ 3\ 7 \\
1\ \ 1
\end{array}
$$

44337

1 mark

Q2. 602 - _____ = 594

Show your method

$$
\begin{array}{r}
5\ \ 9 \\
6\ 0\ 2 \\
-\ 5\ 9\ 4 \\
\hline
0\ 0\ 8
\end{array}
$$

8

1 mark

Q3.

7,064 − 502 =

Show your method

$$
\begin{array}{r}
6 \\
7\ 0\ 6\ 4 \\
-\ \ \ 5\ 0\ 2 \\
\hline
6\ 5\ 6\ 2
\end{array}
$$

6565

1 mark

Q4. 836 x 27 =

Show your method

```
      1
    2 4
    8 3 6
 x    2 7
  5 8 5 2
+ 1 6 7 2
  7 5 2 4
    1 1
```

7524

2 marks

Q5. 785 x 23 =

Show your method

```
    1 1
    8 7
    7 8 5
 x    2 3
  2 3 5 5
+ 5 7 0 0
  8 0 5 5
    1
```

8055

2 marks

Q6. 3016 ÷ 13 =

Show your method

```
13 | 120
26
29
42
55
68
81
94
107
```

```
     0 3 0 9 . 7 7
13 ) 3 0 1 6 . 0 0
    - 2 9
       1   6
    - 1 0 7
     0 0 9 0
        - 8 1
           9 0
```

309.77

2 marks

Q7.

716 ÷ 4 =

Show your method

$$
\begin{array}{r}
1\ 7\ 8 \\
4\overline{)7\ 1\ 6} \\
-4 \\
\hline
2\ 8\ 1 \\
-2\ 8 \\
\hline
3\ 6
\end{array}
$$

178

1 mark

Q8.

25.34 × 10 =

Show your method

2.534

1 mark

Q9.

2.7 + 3.014 =

Show your method

$$
\begin{array}{r}
3.0\ 1\ 4 \\
+2.7 \\
\hline
3.0\ 4\ 1 \\
1
\end{array}
$$

3.041

1 mark

Q10.

   9 − 3.45 =

```
      8  9
   9. 8̶ ¹0
 −  3. 4  5
   5  5  5
```

Show your method

555

1 mark

Q11.

   35% of 320 =

```
10% of 320 = 3.2        30% =   9.6
5% of 320  = 1.6         5% = + 1.6
                               11.2
  3.2                            1
× 3
  9.6
```

Show your method

11.2

1 mark

Q12.

   15% × 440 =

```
10% of 440 = 44
5% of 440 = +22
            66
```

Show your method

66

1 mark