

Year 2 Addition and Subtraction Knowledge Organiser



Star Vocabulary

Addition	it is the total sum of 2 or more numbers
Subtraction	the process of taking one number away from another
Fact Family	A collection of related addition and subtraction facts involving the same numbers
Number Sentence	sentence written in numerals and mathematical symbols
Number Bonds	pairs of numbers that can be added together to make another number
10 More/10 Less	10 larger/smaller than a given number

Represent and use number bonds and related subtraction facts (within 10)

Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100.

Place value is the **value** of each digit in a number. For example, the 5 in 53 represents 5 tens and 3 ones.

How many are there altogether? You can use a ten frame and a counter to find the total.

We have used this before. What is the same? What is different?

Sentence Stems

How many bonds can I make if ____ is the whole?
 Which calculation gives the largest/smallest answer?
 What else can we use to represent ____?
 If ____ is the whole and ____ is a part, what is the other part?

Misconceptions: Why?

$6 + 3 = 8$,

Incorrect jump on a number line (forwards for subtraction, backwards for addition or more than one jump per number)

Factual & Conceptual Fluency progression

Addition and subtraction within 10.

Secure and maintain fluency in addition and subtraction within and across 10, through continued practice.

Recall the 2, 4 and 8 multiplication tables, and corresponding division facts.

Recall the 7-multiplication table, and corresponding division facts.

Addition and subtraction across 10.

Recall the 10 and 5 multiplication tables, and corresponding division facts.

Recall the 3, 6 and 9 multiplication tables, and corresponding division facts.

Recall the 11 and 12 multiplication tables, and corresponding division facts.

Secure and maintain fluency in all multiplication tables, and corresponding division facts, through continued practice.