**BARVEMBER**

White Rose Maths

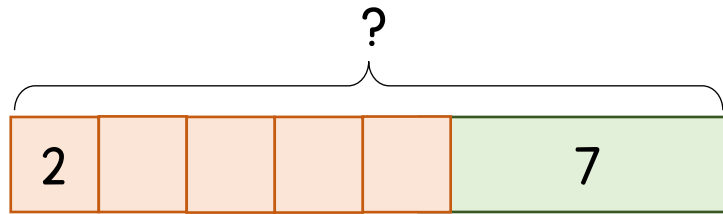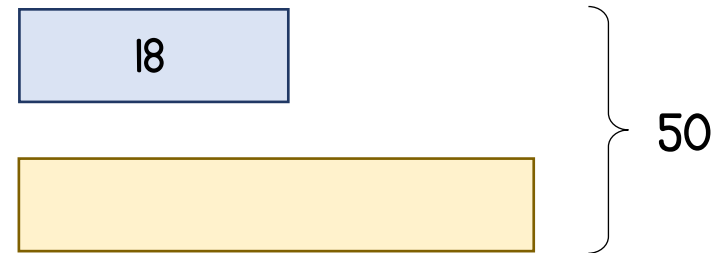**1** Mrs Potts gives five children 2 pencils each.

She has 7 pencils left over.

How many pencils does she have in total?

?

| 2 | | | | | 7 |

Mrs Potts shares the pencils out between 5 children. How many do they receive each? How many are left over?

**2** Sam is thinking of two numbers.

The sum of the two numbers is 50

The smaller number is 18

What is the difference between the two numbers?

18

50

Sam thinks of another two numbers.
One number is twice as big as the other.
The difference between the numbers is 17.
What is the total of the numbers?

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**3** 2 bookmarks and 2 notebooks cost £12

The notebook costs three times as much as the bookmark.

How much does the notebook cost?

Bookmarks

Notebooks

How does the answer change if the notebook costs five times as much as the bookmark?

**4** Abby, Barry and Cal each have some house points.

Abby wins 10 more, Barry wins 20 more and Cal wins 40 more.

Cal now has as much as Barry had to begin with.

Barry now has as much as Abby had to begin with.

Abby has as much as Barry and Cal had to begin with put together.

How much did they have to start with in total?

How does your answer change if Abby had won 20 more points, Barry had won 40 and Cal had won 80?

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# Challenge

The ratio of blue to red marbles in a box is 1 : 2

28 blue marbles are added to the box.

248 red marbles are also added to the box.

The ratio of blue to red marbles is now 1 : 5

How many red marbles were in the box at the start?