

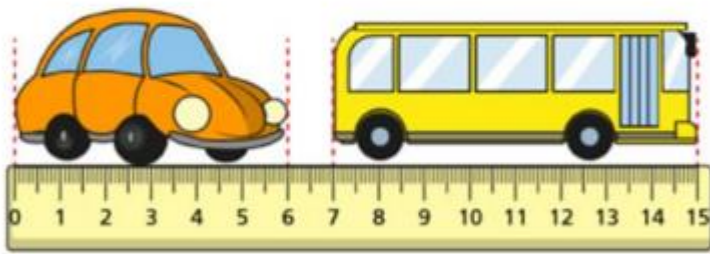
Today we are going to solve some problems that use our mathematical knowledge from this year.

**Solve at least two problems**, there are seven to choose from. You can either write them write in your Home Learning book, or if you are working in Teams, type your notes and the answer underneath the problem.

### Puzzle 1

#### Challenge 1

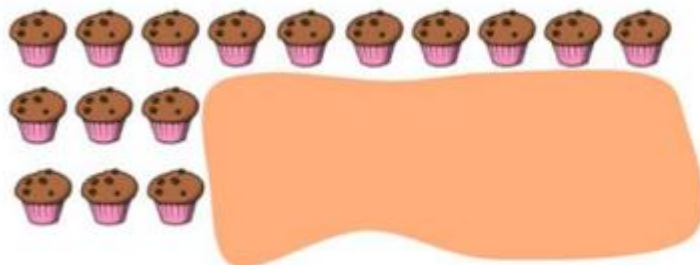
Here is a toy car and bus.



How much longer is the bus than the car?

### Puzzle 2 *Can you use your pairs to ten?*

30 cakes are arranged in an **array**. Some of the cakes are hidden.



How many cakes are hidden?

**Puzzle 3** *It's those bonds to 10 again!*

If

$$70 + \text{yellow circle} = 100$$

$$50 + \text{green triangle} = 100$$

$$\text{yellow circle} + \text{green triangle} + \text{blue square} = 100$$

What is the value of the blue square?

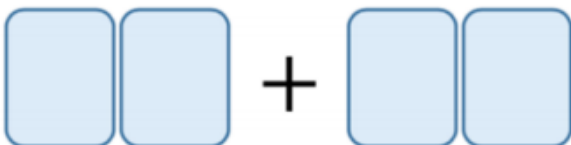
**Puzzle 4** *Think, which digit is the most important when making big numbers?*

Danni has these four digit cards.



Danni uses all four cards to make two 2-digit numbers.

She then adds the two numbers together.



What is the greatest total she can make?

**Puzzle 5** *Think about your multiples of 3. Is there only one answer?*

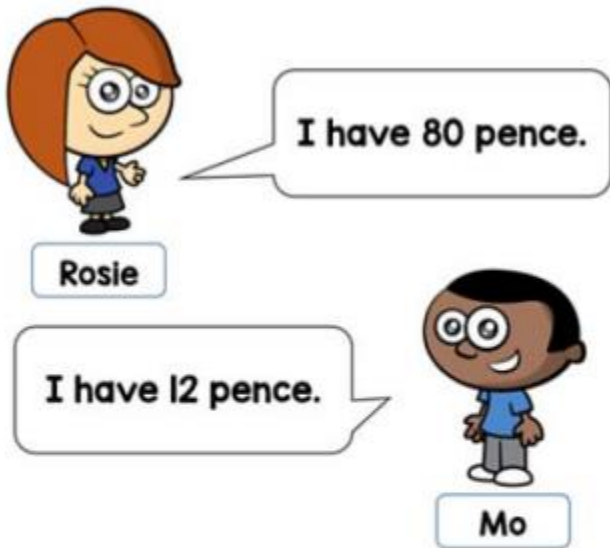
Amir is dividing a 2-digit number by 3.

His answer is a whole number.

$$\boxed{2} \boxed{\phantom{0}} \div \boxed{3}$$

What could the missing digit be?

**Puzzle 6** *There are three steps to do. Tip- write the calculation down for each step.*

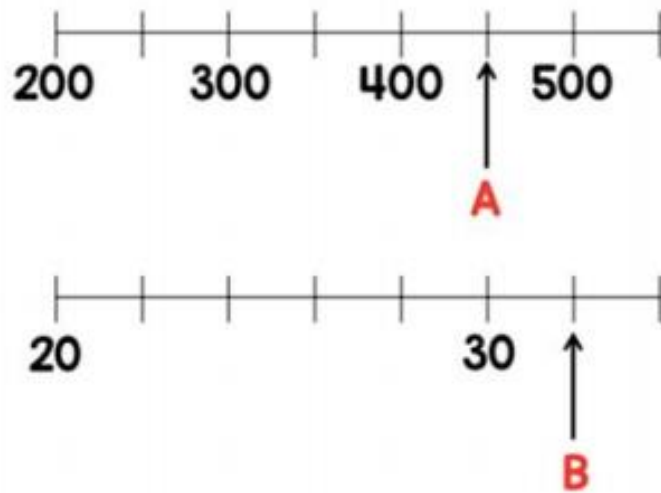


Rosie gives Mo 25 pence.

How much more money does Rosie have than Mo now?

**Puzzle 7** Remember to make notes as you work out each step of the puzzle.

Two numbers, A and B, are marked on the number lines.



Find the sum of A and B.