

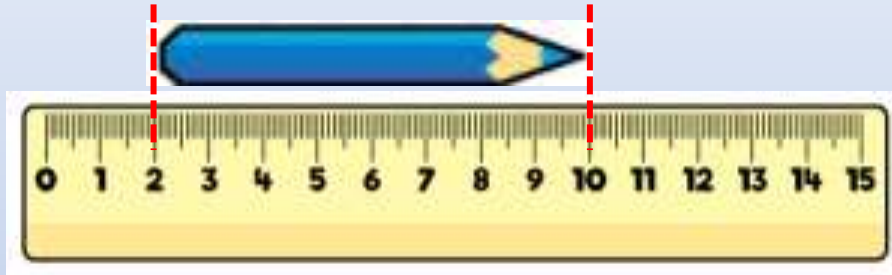
Friday Maths Challenge



The most suitable questions for Year 3 are 1, 2, 3 & 4. But why don't you work with your family on the rest of the problems. Do as many as you can! Help each other out.

Flashback: How much can you remember?

- 1) How long is the pencil?



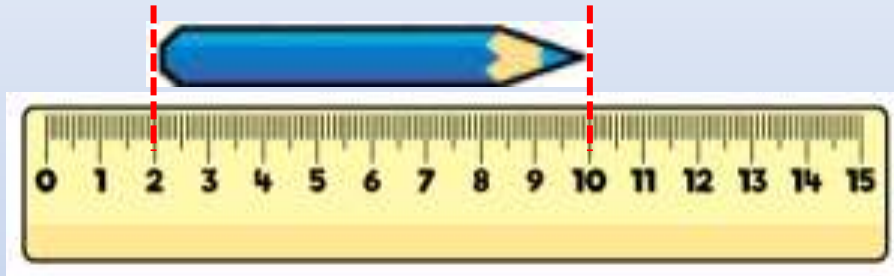
- 2) Annie skips for 3 and a half minutes.
How many seconds does she skip for?
- 3) It is 11:45 am, how many minutes is it until the afternoon?
- 4) List the ways can I sort strawberry and chocolate ice cream into 2 scoop bowls?



Flashback: Answers

1) How long is the pencil?

8cm



2) Annie skips for 3 and a half minutes.

How many seconds does she skip for?

210 seconds

3) It is 11:45 am, how many minutes is it until the afternoon?

15 minutes

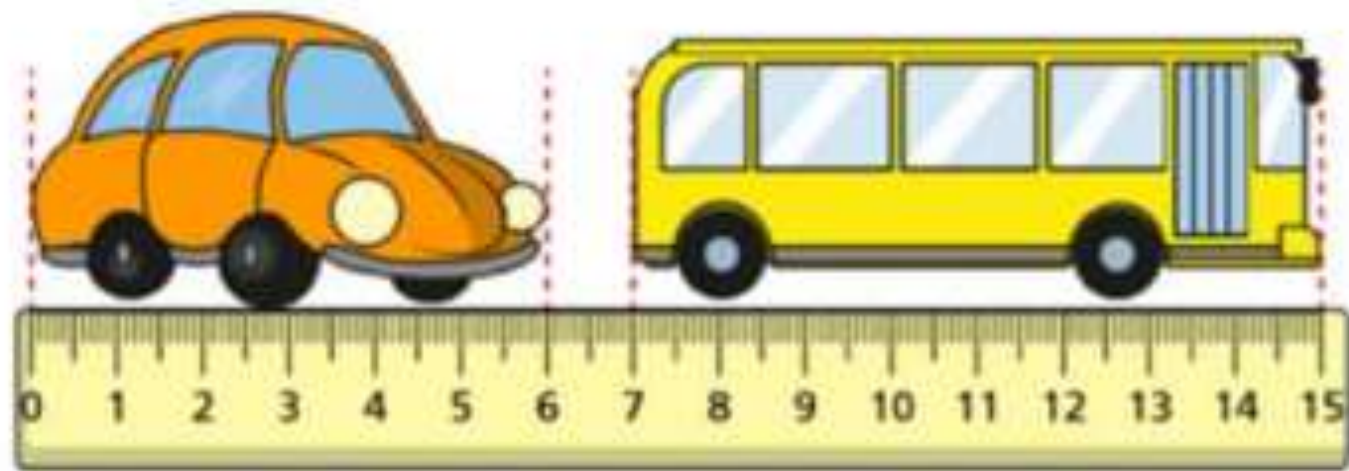
4) List the ways can I sort strawberry and chocolate ice cream into 2 scoop bowls?

CS, SC,

CC, SS

Challenge 1

Here is a toy car and bus.



How much longer is the bus than the car?

Challenge 2

Here are 3 beanbags.



They are placed on a seesaw.



Which beanbag is the heaviest?

Challenge 3

Amir is dividing a 2-digit number by 3.

His answer is a whole number.

$$\begin{array}{|c|c|} \hline 2 & \square \\ \hline \end{array} \div 3$$

What could the missing digit be?

Challenge 4

Lewis makes a repeating pattern with some shapes.

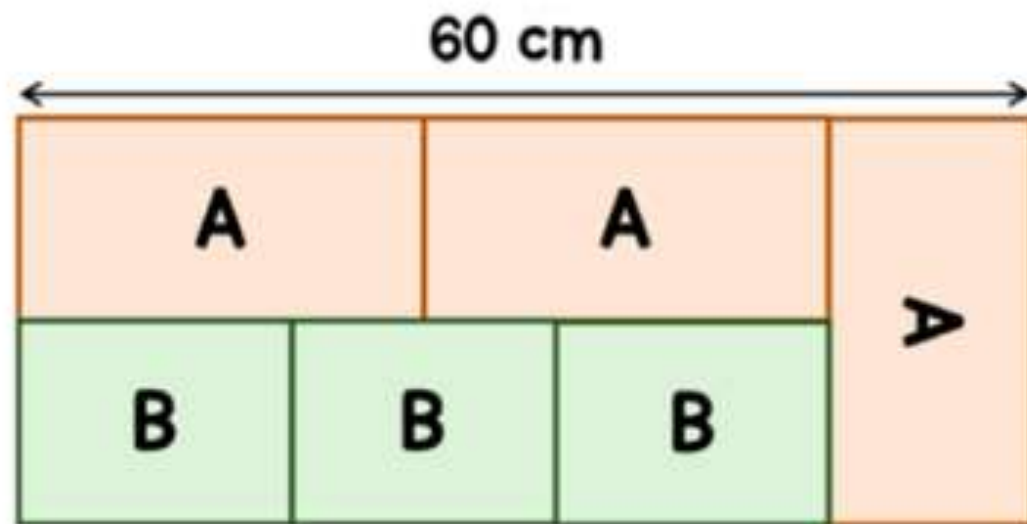


Lewis repeats the pattern.

What is the shape in the **50th** position?

Challenge 5

A large rectangle is made up of smaller rectangles, labelled A and B.



The length of A is double the width of A.

Find the area of one of the rectangles labelled B.

Challenge 6

Mina buys 3 pizzas and a bottle of cola.



A pizza costs £3.20 more than a bottle of cola.

The total cost of the items is £19.40

How much does a pizza cost?

Challenge 7

A barrel is half full with water.

12 litres of water are poured out.

The barrel is now $\frac{1}{5}$ full.

How much water does the barrel hold when full?



Challenge 8

Work out the following without a calculator.

$$\frac{10 + 20 + 40 + 80 + 160 + 320 + 640}{2 + 4 + 8 + 16 + 32 + 64 + 128}$$

Explain your method.

Answers

Challenge 1 - 2 cm

Challenge 2 - B

Challenge 3 - 1, 4 and 7

Challenge 4 - Yellow circle

Challenge 5 - 192 cm^2

Challenge 6 - £5.65

Challenge 7 - 40 litres

Challenge 8 - 5