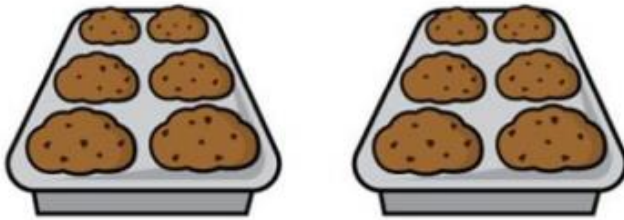


Friday's Maths Challenge

Questions 1-5 are aimed at Year 5. The further 3 questions are a challenge for you. Why not get another family member involved too?

Challenge 1

Eric bakes these two trays of muffins.



He eats 2 muffins.

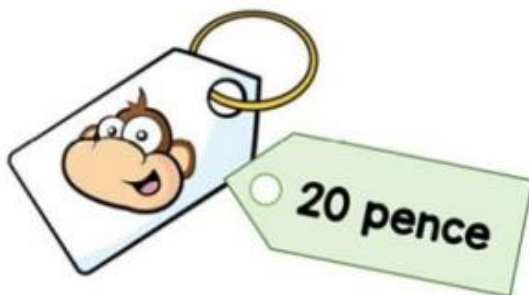
His dad eats 3 muffins.

His sister eats 4 muffins.

How many muffins does he have left?

Challenge 2

Lola buys this key ring.



Her mum gives a quarter of the money.

She pays for the rest herself.

How much does she pay herself?

Challenge 3



How old is the teacher?

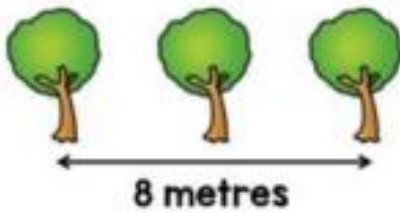
Challenge 4

Ten trees are planted in a row.



The trees are spaced out equally.

The distance between the fourth and sixth tree is 8 metres.



What is the distance between the first and last tree?

Challenge 5

Filip has these five digit cards.



He uses all of the cards to make a three-digit number and a two-digit number.

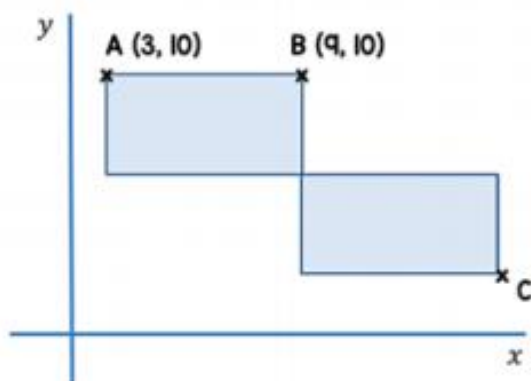
He multiplies the two numbers together and the answer is **15,741**.

$$\begin{array}{r} \square \square \square \\ \times \square \square \\ \hline 15741 \end{array}$$

What are the two numbers Filip makes?

Challenge 6

Here are two identical rectangles.



The length of each rectangle is double its width.

Work out the coordinates of point C.

Challenge 7

A college has a vending machine that only sells crisps.

Crisps cost 55p per bag.

The table shows the amount of different coins taken in one day.



Coin	Number of Coins
£2	4
£1	19
50p	26
20p	11
10p	33
5p	25

How many bags of crisps were sold?

Challenge 8

Here are three boxes.



Each box contains 60 counters.

The same number of counters are moved from box 1 and box 2 into box 3.

70% of the counters are now in box 3.

How many counters were moved from box 2 to box 3?

Answers

Challenge 1 - 3 muffins

Challenge 2 - 15 pence

Challenge 3 - 24-years-old

Challenge 4 - 36 metres

Challenge 5 - 583 and 27

Challenge 6 - (15, 4)

Challenge 7 - 85 bags of crisps

Challenge 8 - 33 counters