

Friday 12th June

The Sumdog competition closes today, although we want you to continue to use it after, so before you tackle the questions and investigation below, login to <https://pages.sumdog.com/> using your Mymaths login and password and take part!

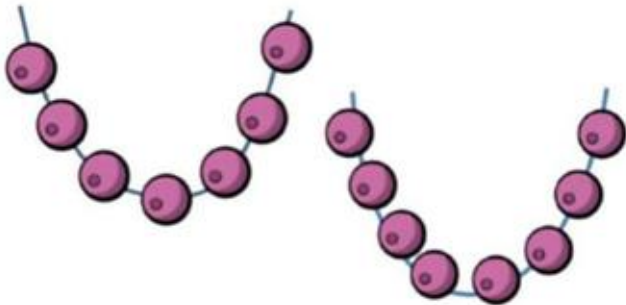
Challenge time!

Here are your Friday challenges. Use the first 2 questions as a quick warm up, then move on to the others, using bar models or pictures to help you.

Challenge 1

Sal has 20 beads.

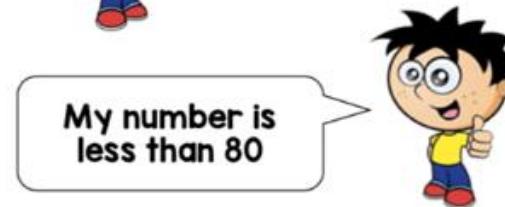
She uses some beads to make these two necklaces.



How many beads does she have left?

Challenge 2

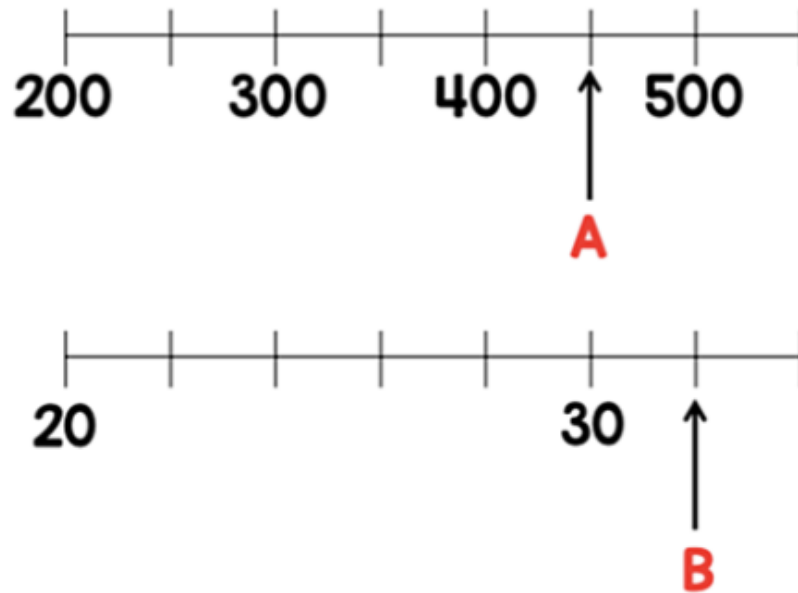
George is thinking of a 2 digit number.



What number is George thinking of?

Challenge 3

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



Find the sum of A and B.

Challenge 4

Max buys a shirt and a jacket.



The jacket costs **£25** more than the shirt.

The total cost of the shirt and jacket is **£87**.

How much does each item cost?

Challenge 5

The mass of 1 cube and 4 cones is **110 g**.



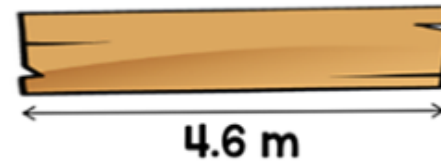
The mass of 1 cube and 2 cones is **72 g**.



What is the mass of 1 cube?

Challenge 6

A plank of wood is 4.6 metres long.



These three lengths of wood are cut from the plank.

1.45 m

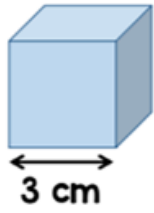
88 cm

1630 mm

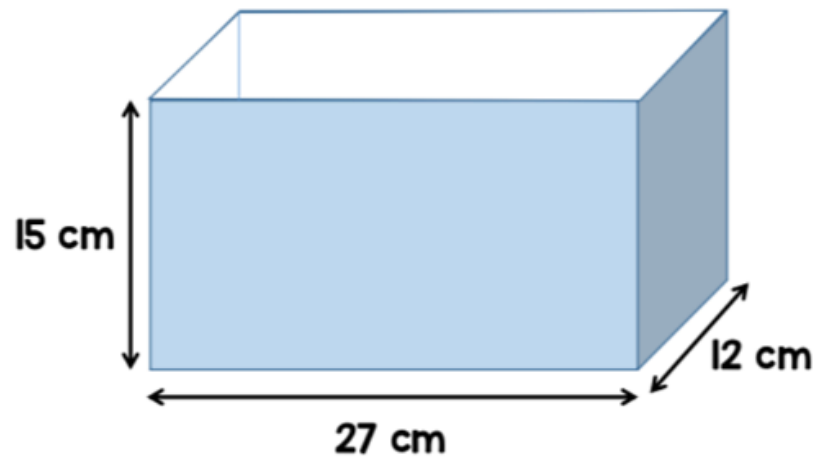
What is the length of the wood left?

Challenge 7

A factory makes these wooden cubes.



They are packed into large boxes.



How many wooden cubes can be packed into one large box?

Answers

Challenge 1 - 5 beads

Challenge 2 - 45

Challenge 3 - 482

Challenge 4 - Jacket £56 and Shirt £31

Challenge 5 - 34 g

Challenge 6 - 0.64 m, 64 cm or 640 mm

Challenge 7 - 180 cubes