

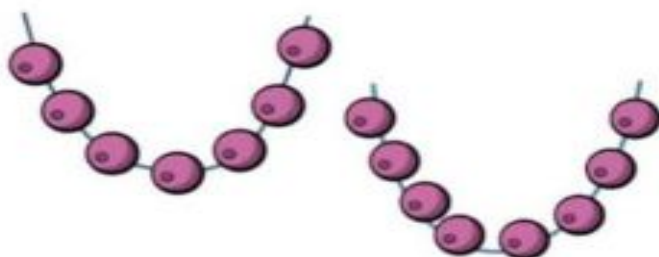
Friday 19th June 2020

To end the week we are going to work through some maths challenge cards.
The cards will become more challenging as you move through them.
Have a wonderful weekend!

Challenge 1

Sal has 20 beads.

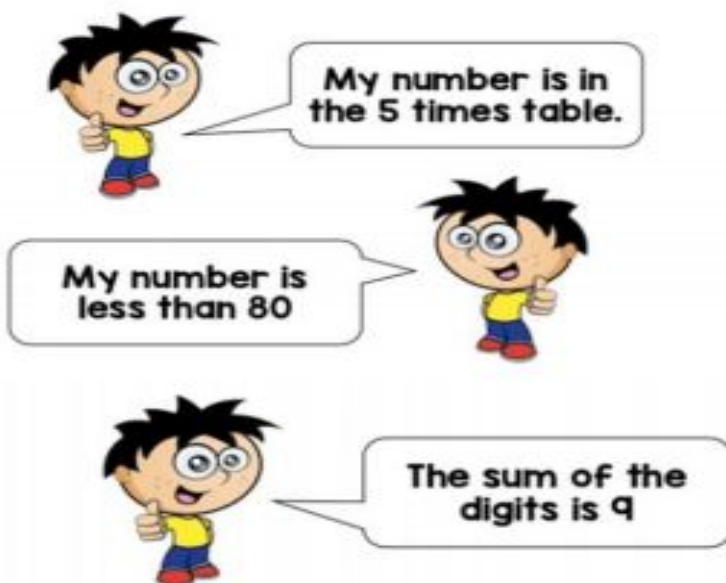
She uses some beads to make these two necklaces.



How many beads does she have left?

Challenge 2

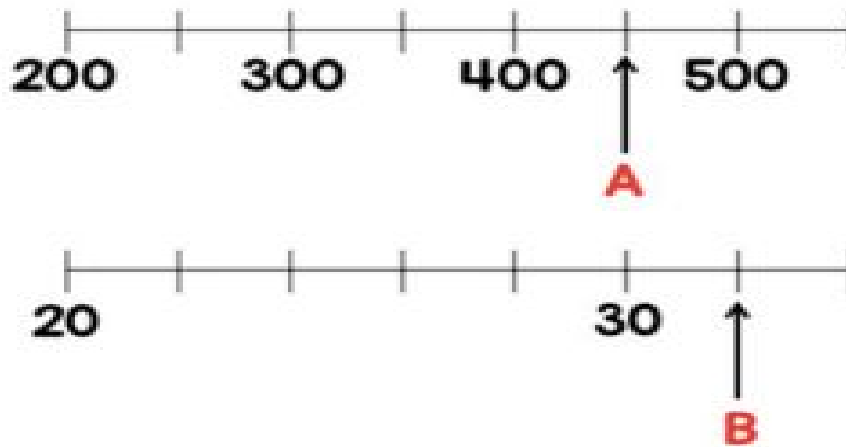
George is thinking of a 2 digit number.



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

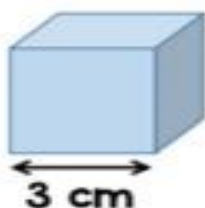
88 cm

1630 mm

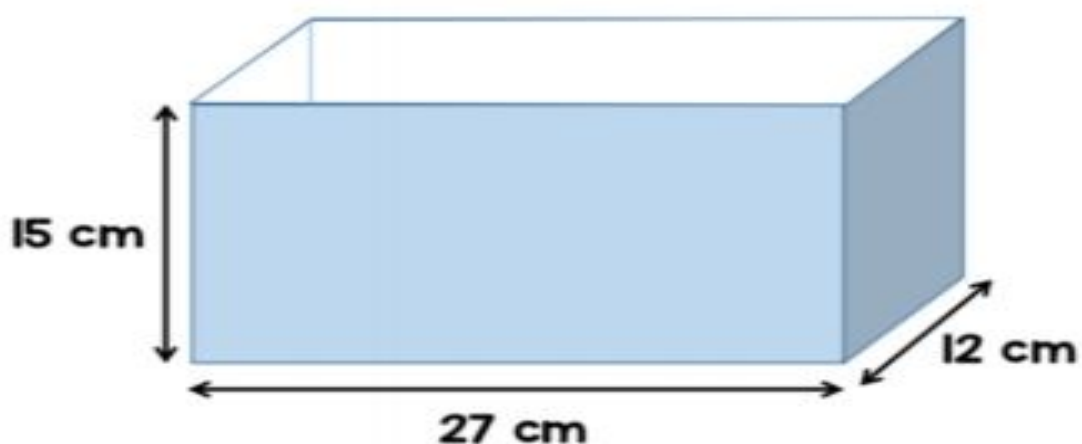
What is the length of the wood left?

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?

Challenge 8

Amrit, Beth and Caroline sell cookies.



Amrit sells $\frac{1}{4}$ of the cookies.

Beth sells 30% of the remaining cookies. Beth sells 12 cookies.

Caroline sells the rest.

How many cookies do they sell altogether?

Challenge 9

$\frac{1}{2}$ of the length of rope A is equal to $\frac{3}{4}$ of the length of rope B.

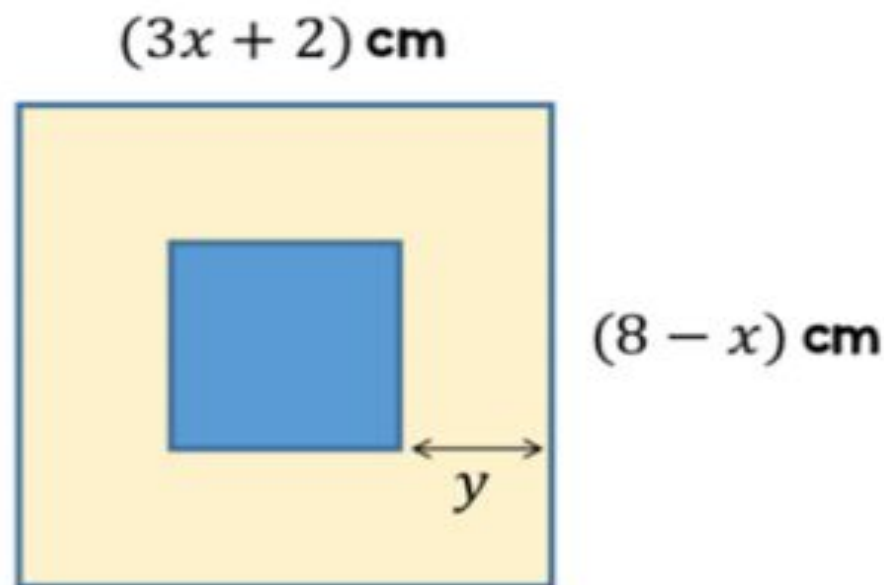
Rope A is **42 cm** longer than rope B.

How long is rope A?

Challenge 10

A blue square is placed inside a large yellow square.

The centre of the squares are aligned one over the other.



The area of the blue square is **36%** of the area of the yellow square.

Find the distance marked y .

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

Challenge 8 - 48 cookies

Challenge 9 - 252 cm

Challenge 10 - 1.3 cm
