

Math trail

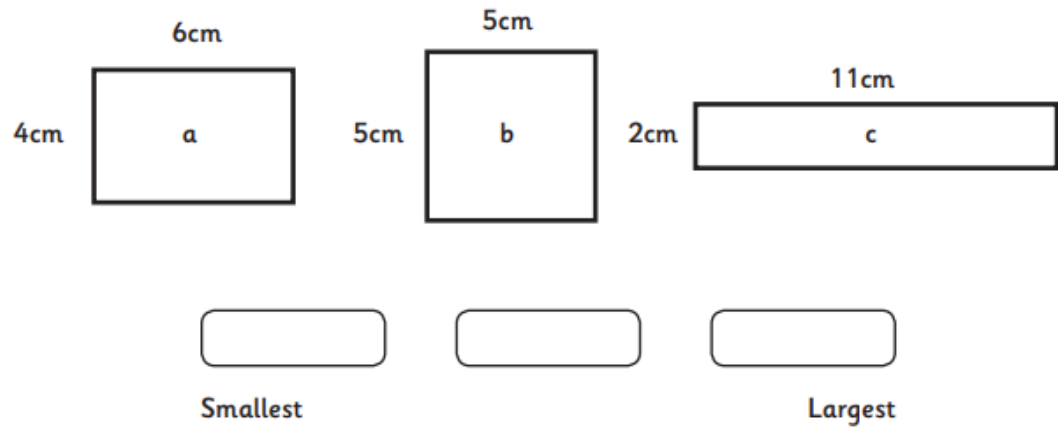
- 1) What is the volume of a shape with these measurements-
Height- 12cm, Length= 10cm, Width 3cm
- 2) If a shape has the volume of 40cm cubed, what could the height, width and length be?
- 3) What is the perimeter of a square if one length=7cm?
- 4) What is the area of a rectangle if the length=17cm and the width=10cm
- 5) What is 100 in Roman numerals?
- 6) What is 50 in Roman numerals?
- 7) What is 84 in Roman numerals?
- 8) If Mrs Reed has 27 chocolate bars and needs to share them equally between herself, Mrs Johnson and Mrs Mackdermott, how many do each teacher receive?
- 9) Royal Mail postage rates include:
Letters not exceeding: Length: 24cm Width: 16.5cm
Thickness up to and including: 0.5cm Weight limit: 100g

Small Parcels not exceeding: Length: 45cm Width: 35cm
Depth: 16cm Weight limit: 2kg

What is the maximum volume of a letter and small parcel?

10)

a) Order these rectangles by area from smallest to largest.



Write the correct number to complete each statement:

$$45\text{mm} = \boxed{} \text{cm}$$

$$3400\text{m} = \boxed{} \text{km}$$

$$5.75\text{kg} = \boxed{} \text{g}$$

$$7350\text{ml} = \boxed{} \text{l}$$

$$450\text{cm} = \boxed{} \text{m}$$

$$256\text{mm} = \boxed{} \text{m}$$

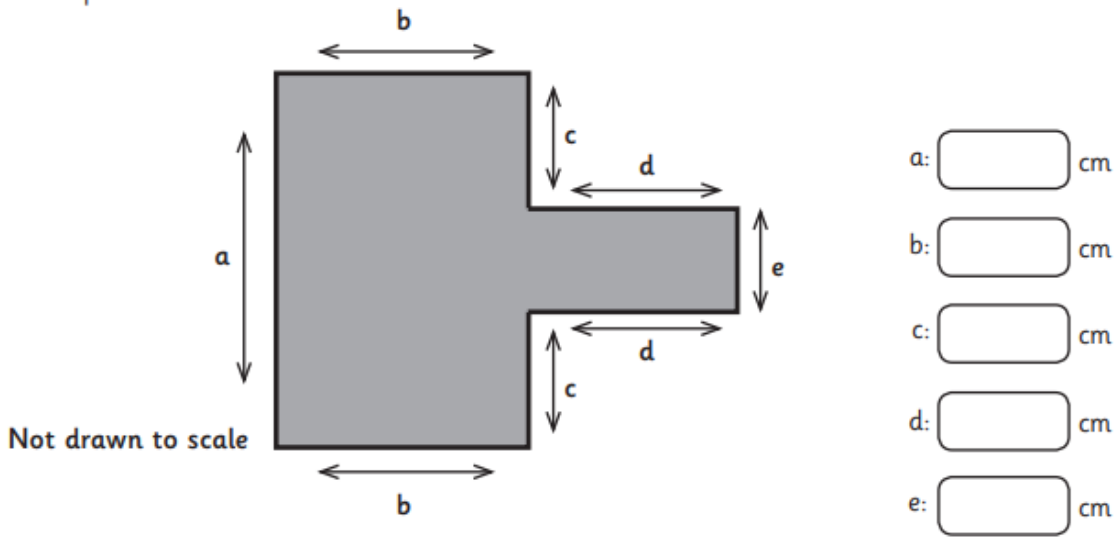
a) If I am 6 foot and 2 inches tall, what is my height in metres?

(12 inches = 1 foot = 30cm)

b) A recipe asks for $2\frac{1}{2}$ pounds of apples. How many kilograms of apples do I need?

(1 pound = 0.454 kg)

- a) The perimeter of this shape is 68 cm. Write possible measurements for each side of the shape.



- 11) I go to the cinema and watch a film that lasts 124 minutes, if the film starts at 1:30pm what time will it finish?
- 12) Can you write 11:13pm in 24 hour clock?
- 13) If I go and watch a football match and it lasts for 90 minutes and it starts at 3pm but then has a 15 minute half time and 7 minutes extra time, when will the match end?
- 14) What is $XXX + M =$

- 15) What is $C - XX =$
- 16) What is the volume of a shape that has a height of 22cm, length, 14cm and width 6cm?
- 17) How many minutes is 3.5 hours?
- 18) What is the area of a shape with the length=19cm and the width=7cm?
- 19) What is the area of a shape with the length=4cm and the width= 11cm?
- 20) What is the area of a shape with the length=15cm and the width= 22cm?