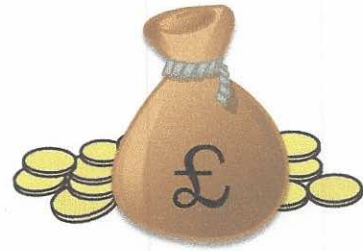
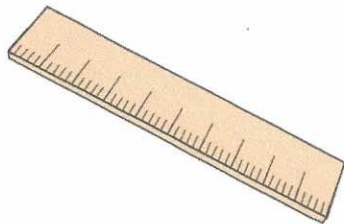


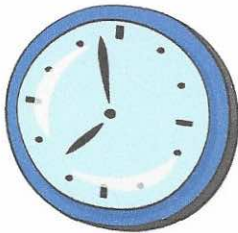
Primary Practice Questions



Corbettmaths



Similar Shapes



Tips

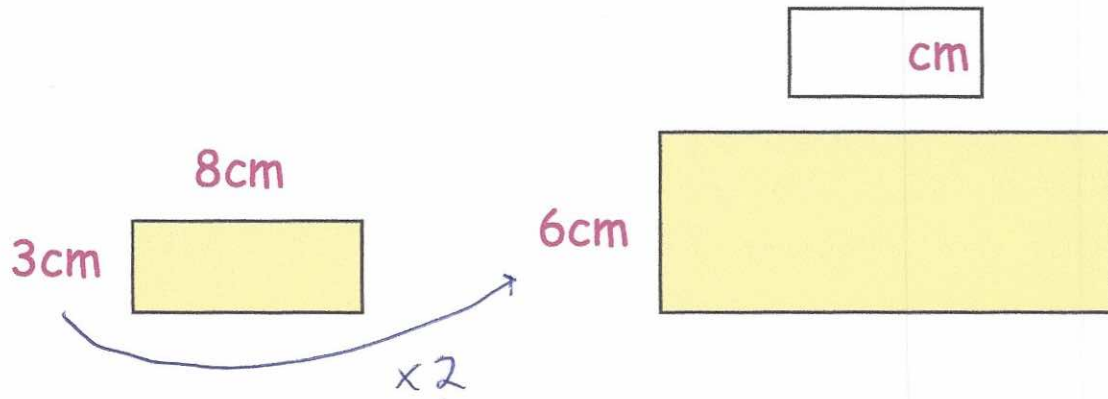
- Read each question carefully
- Attempt every question.
- Check your answers seem right.
- Always show your workings

Recap

Remember

- There are daily questions found at
www.corbettmaths.com/5-a-day/primary

1. Here are two similar rectangles

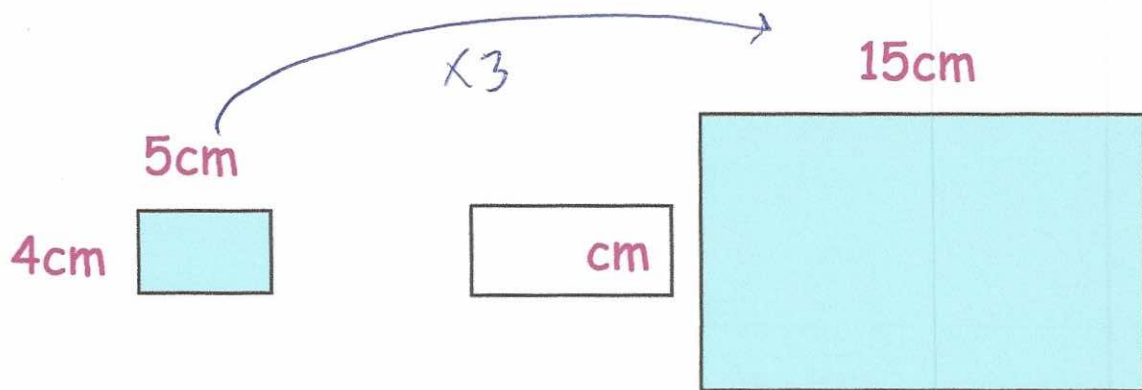


Work out the missing length

$$8 \times 2$$

16 cm

2. Here are two similar rectangles

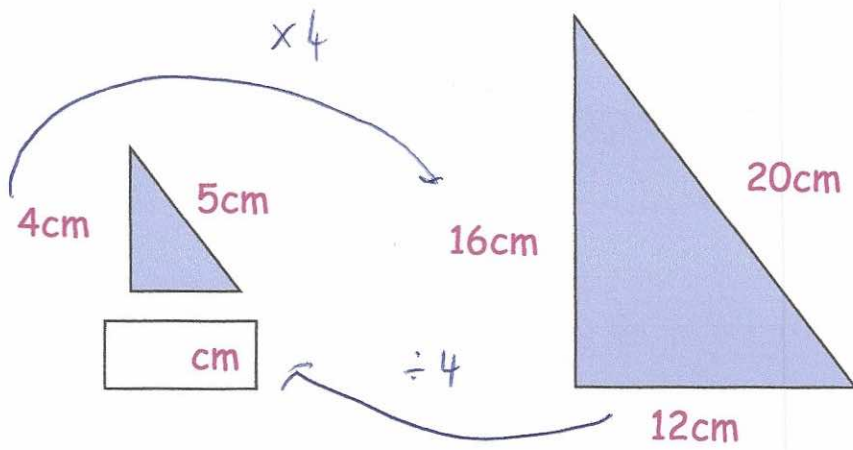


Work out the missing length

$$4 \times 3$$

12 cm

3. Here are two similar triangles

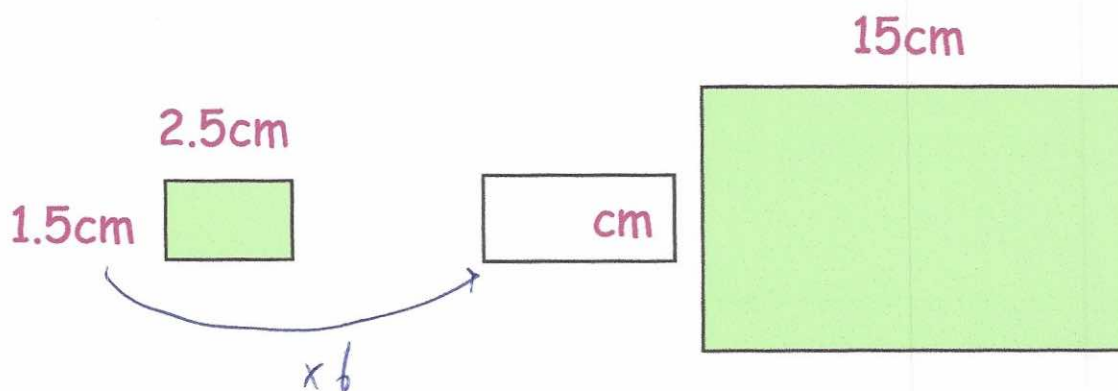


Work out the missing length

$$12 \div 4$$

3 cm

4. Here are two similar rectangles



Work out the missing length

2.5
5
7.5
10
12.5
15

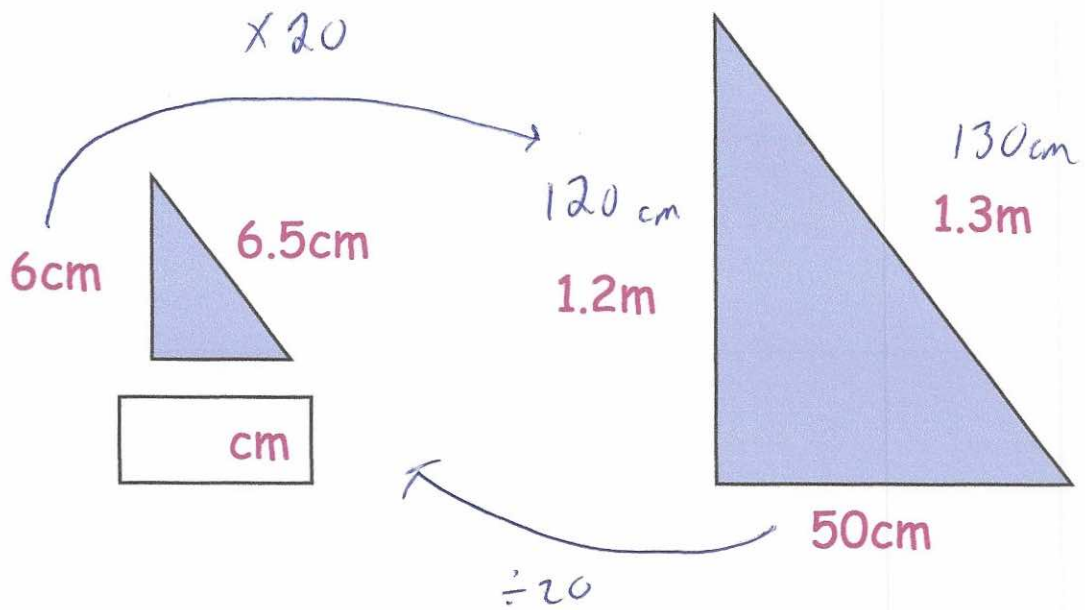
$$15 \div 2.5 = 6$$

$$1.5 \times 6 = 9$$

$$\begin{array}{r} 1.5 \\ \times 6 \\ \hline 9.0 \end{array}$$

9 cm

5. Here are two similar triangles

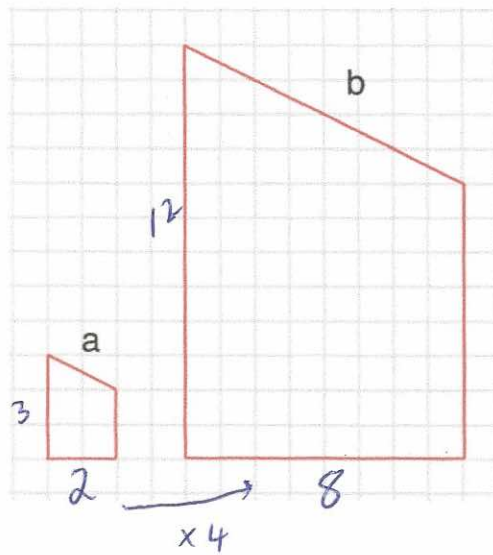


Work out the missing length

$$50 \div 20 = 2.5$$

2.5 cm

6. Here are two similar trapeziums



Write the ratio of side a to side b

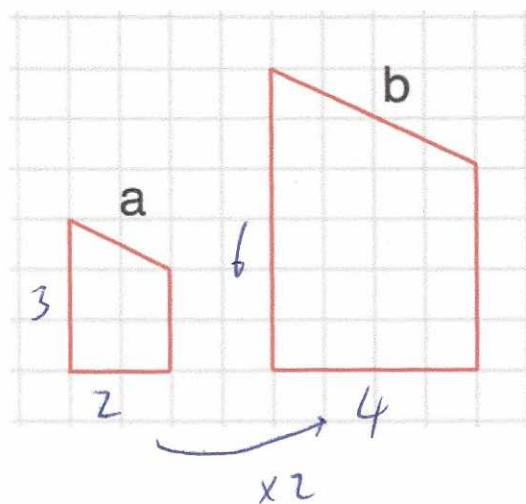
All sides are $\times 4$

$$\begin{array}{l} \div 2 \downarrow 2:8 \downarrow \div 2 \\ 1:4 \end{array} \quad \begin{array}{l} \downarrow 3:12 \downarrow \\ 1:4 \end{array} \quad \text{etc}$$

$a : b =$

$1 : 4$

7. Here are two similar shapes.



Write the ratio of side a to side b

$$\begin{array}{ccc} 3 : 6 & 2 : 4 & \\ \downarrow \downarrow & \downarrow \downarrow & \\ 1 : 2 & 1 : 2 & \text{etc} \end{array}$$

$$a : b = \boxed{1 : 2}$$