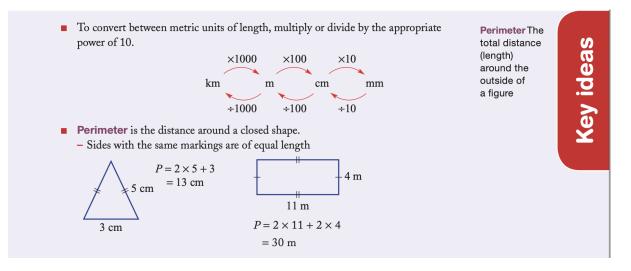
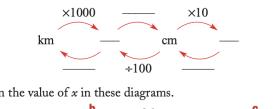
WALT find perimeter of simple and composite shapes **Success Criteria**

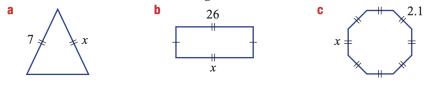
- I can decompose composite shapes into simple shapes.
- I can calculate the perimeter of composite shapes. •



1 Fill in the gaps on this flow chart.



2 Write down the value of x in these diagrams.



3 Convert the following length measurements into the units given in the brackets.

b 41 cm (mm)

n)	(r	cm	5	5	a
----	----	----	---	---	---

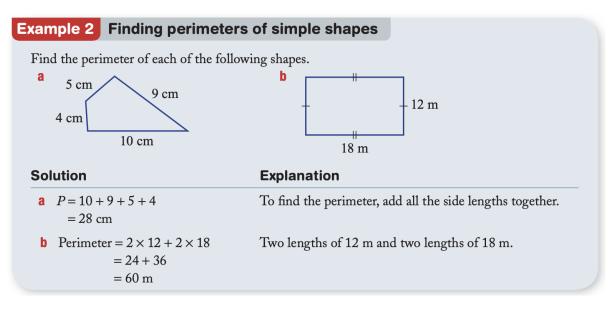
- **c** 2.8 m (cm) **d** 0.4 m (cm)
 - 4.6 km (m) 0.9 km (m) f h 36 mm (cm)
- 521 mm (cm) g i.

e

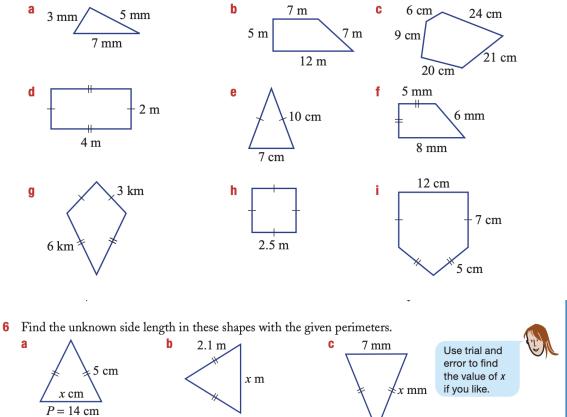
- 240 cm (m) j 83.7 cm (m)
- **k** 7000 m (km) 2170 m (km) I.

Multiply when changing to a smaller unit and divide when changing to a larger unit.

4 A steel beam is 8.25 m long and 22.5 mm wide. Write down the length and the width of the beam in centimetres.

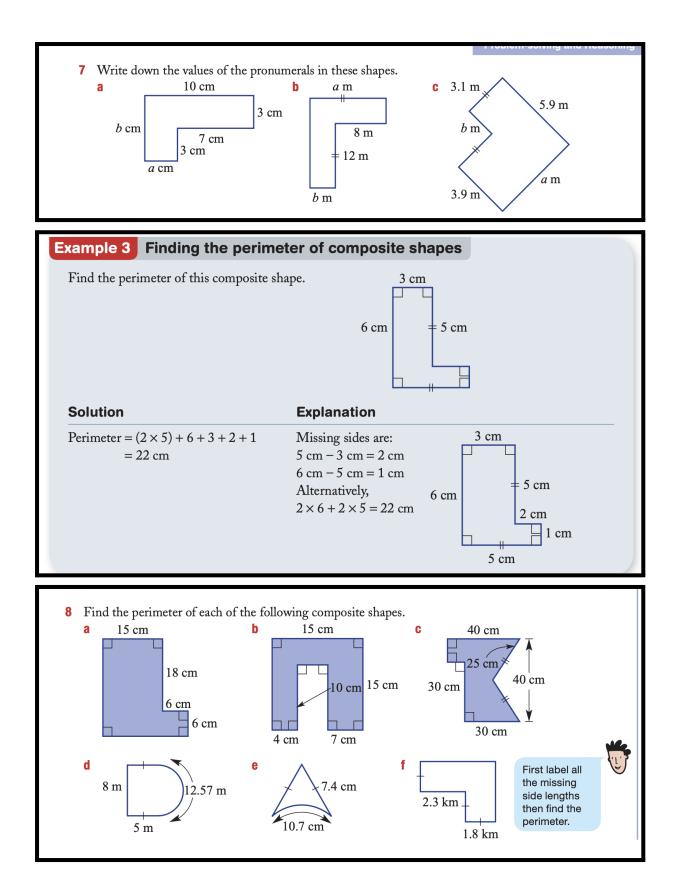


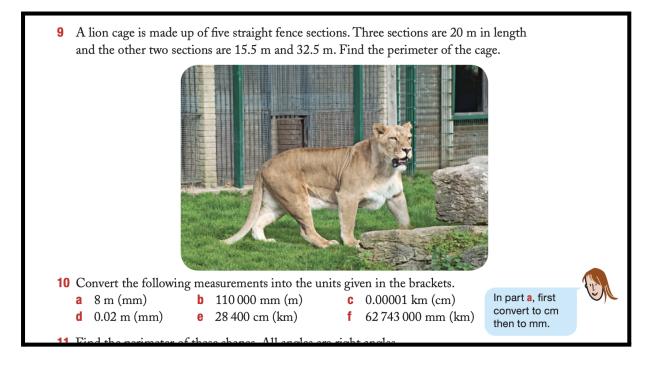
5 Find the perimeter of each of the following shapes.



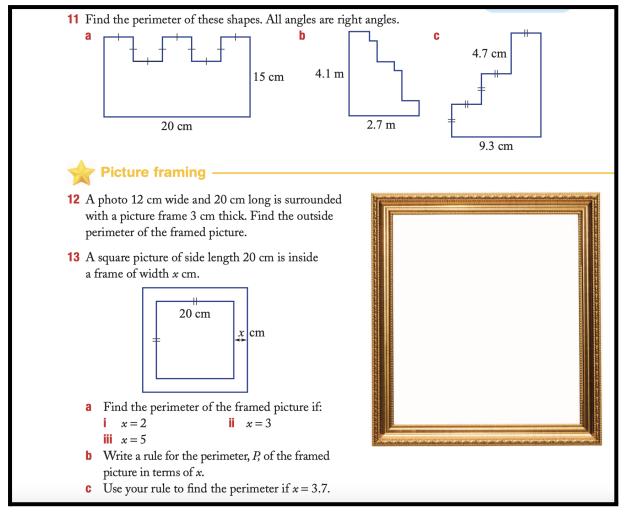
P = 35 mm

P = 6.4 m





Extension



1 ×1000 ×100 $\times 10$ km m cm mm ÷1000 ÷100 ÷10 **2** a 7 **b** 26 **c** 2.1 **b** 410 mm **3 a** 50 mm **c** 280 cm **d** 40 cm **h** 3.6 cm **e** 4600 m **f** 900 m **q** 52.1 cm **i** 2.4 m **i** 0.837 m **k** 7 km I 2.17 km **4** 825 cm, 2.25 cm **5 a** 15 mm **b** 31 m **c** 80 cm **f** 24 mm **d** 12 m **e** 27 cm **h** 10 m **q** 18 km **i** 36 cm **6 a** x = 4 **b** x = 2.2**c** x = 14**7** a a=3, b=6 b a=12, b=4 c a=6.2, b=2**8 a** 90 cm **b** 80 cm **c** 170 cm **e** 25.5 cm **f** 15.4 km **d** 30.57 m **9** 108 m **10 a** 8000 mm **b** 110 m **c** 1 cm **e** 0.284 km **f** 62.743 km **d** 20 mm **11 a** 86 cm **b** 13.6 m **c** 40.4 cm **12** 88 cm **13 a i** 96 cm **ii** 104 cm **iii** 120 cm **b** P = 4 (20 + 2x) $\therefore P = 8x + 80$ **c** 109.6 cm