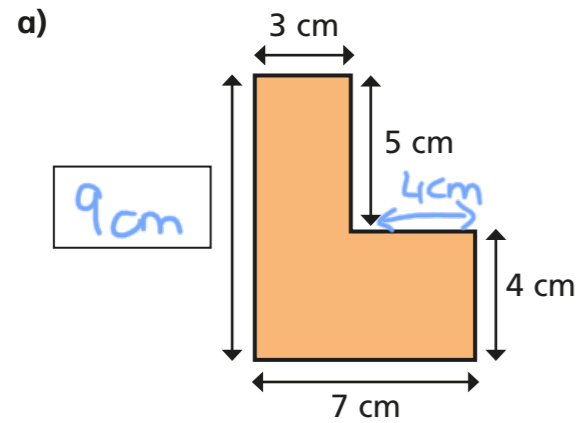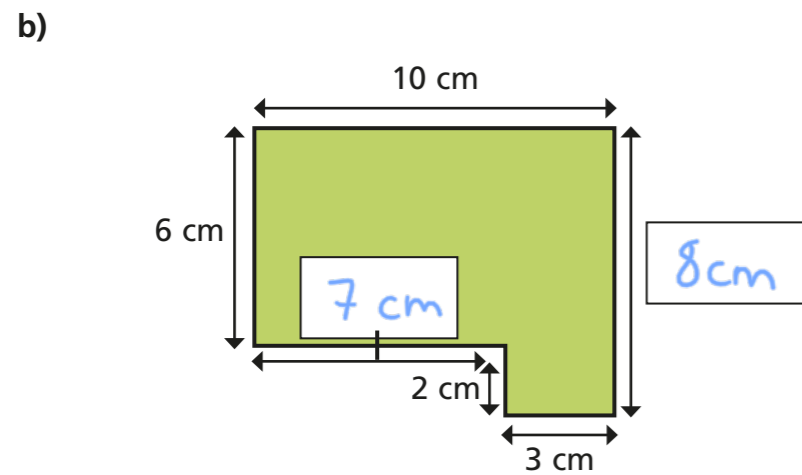# Calculate the perimeter and area of compound shapes (1)

1 Work out the unknown lengths and then find the perimeter of each shape.
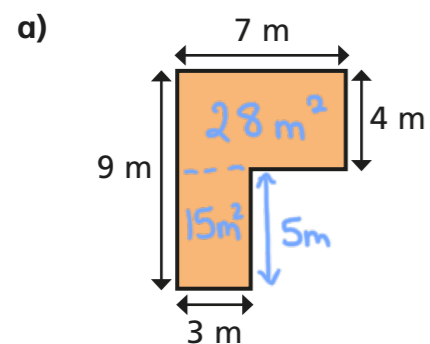
a)

3 cm
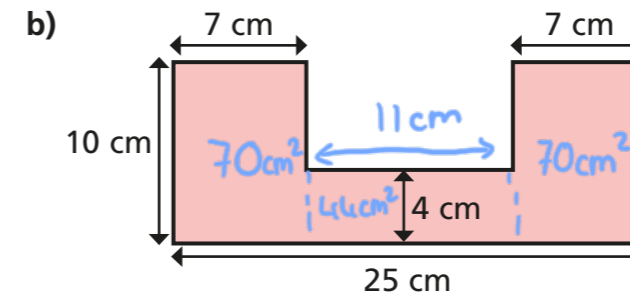
5 cm

4cm

4 cm

7 cm

9cm

perimeter = 32 cm

b)

10 cm

6 cm

7 cm

8cm

2 cm

3 cm

perimeter = 36 cm

2 Work out the area of each shape.

a)

7 m

28 m²

4 m

9 m

15m² 5m

3 m

area = 43 m²

b)

7 cm   7 cm

10 cm

70cm²   11cm   70cm²

44cm² 4 cm

25 cm

area = 184 cm²

3

You can't work out the perimeter of this shape as you don't know the lengths of all the sides.
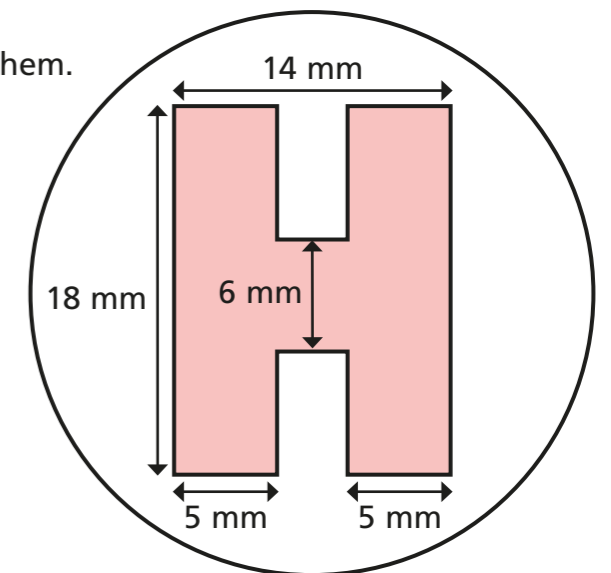
6.1 cm

1.7 cm

7.3 cm

2.2 cm

Is Mo correct? __No__

Explain your answer.
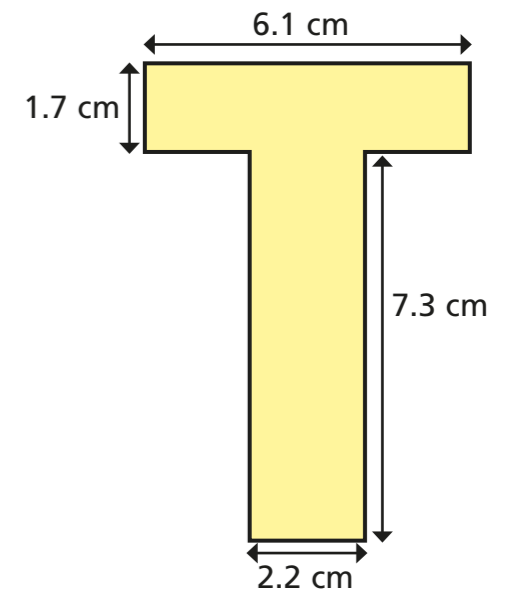
4 Some stickers have the letter H on them.
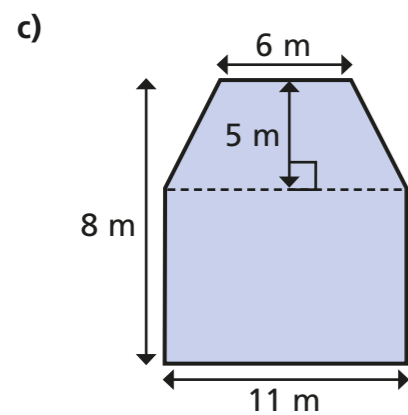
What is the area of the letter H?

14 mm

18 mm

6 mm

5 mm   5 mm

204 mm²

5 Find the area of each compound shape.

a)

5 cm
8 cm
8 cm

84 cm²

b)

4 cm
11 cm
7 cm

22 cm²
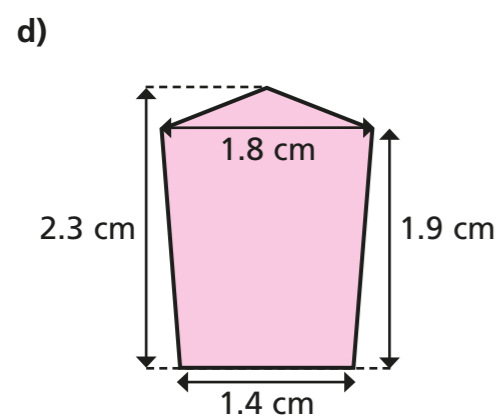
c)

6 m
5 m
8 m
11 m
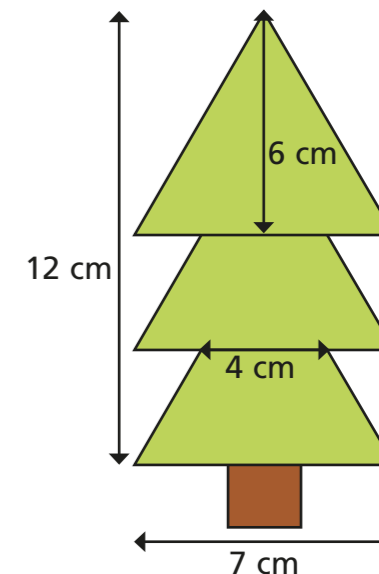
75·5 m²

d)

1.8 cm
2.3 cm
1.9 cm
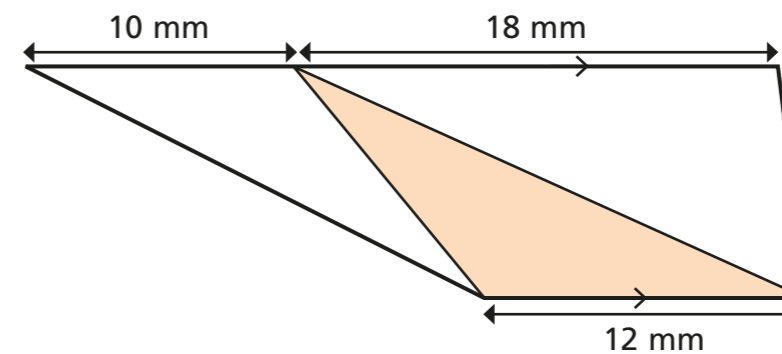1.4 cm
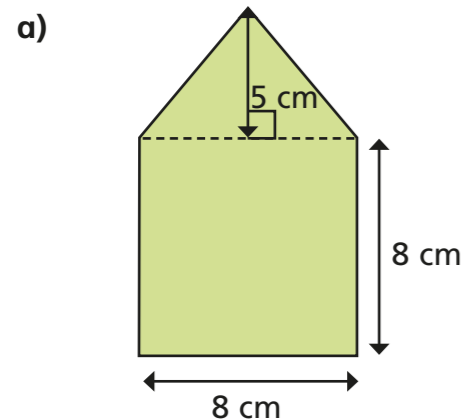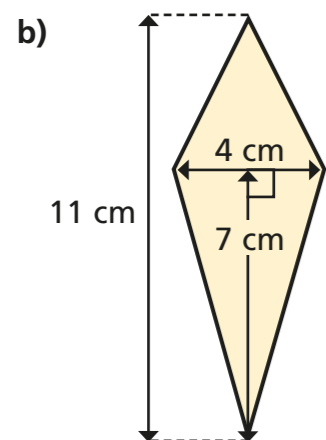
3·4 cm²

6 Dani makes a picture of a tree.

The tree is made up of a green triangle, two congruent green trapeziums and a brown square.

Find the area of the green part of the tree.

6 cm
12 cm
4 cm
7 cm

54 cm²

7 What fraction of the shape is shaded?

10 mm
18 mm
12 mm

$\dfrac{3}{10}$

8 Which hexagon has the greatest area?

5 cm
3 cm
4 cm

3 cm
4 cm

5 cm
3 cm
2 cm