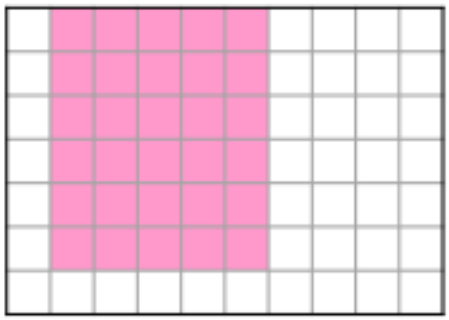
Area of Rectangles

1a. Complete the shape to make a rectangle with an area of 54cm².



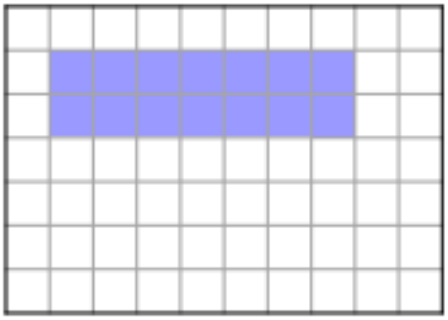
Label the length and width of the rectangle.

Not to scale

VF

Area of Rectangles

1b. Complete the shape to make a rectangle with an area of 42cm².

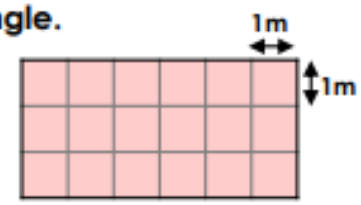


Label the length and width of the rectangle.

Not to scale

VF

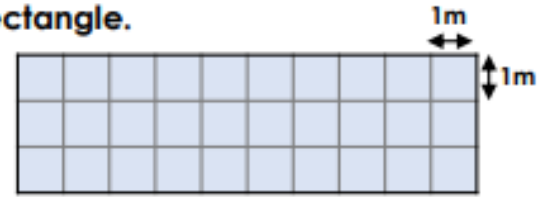
2a. Count the squares to find the area of the rectangle.



Not to scale

VF

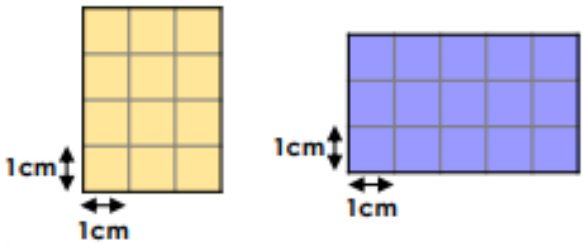
2b. Count the squares to find the area of the rectangle.



Not to scale

VF

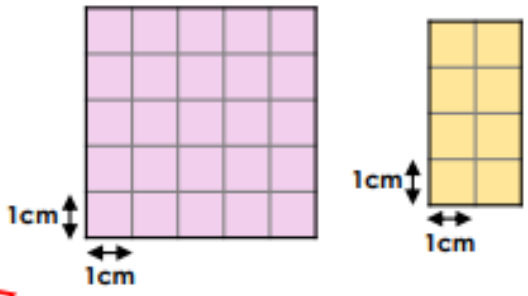
3a. Find the total area of both rectangles.



Not to scale

VF

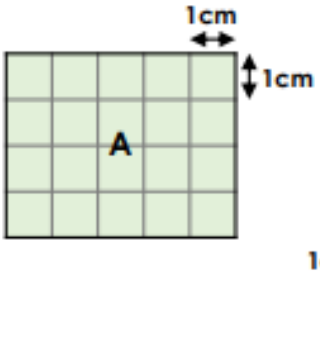
3b. Find the total area of both rectangles.

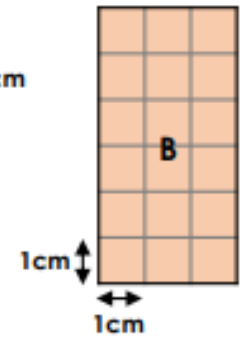


Not to scale

VF

4a. Match the shape to the correct area.



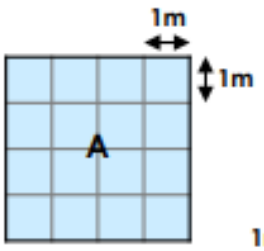


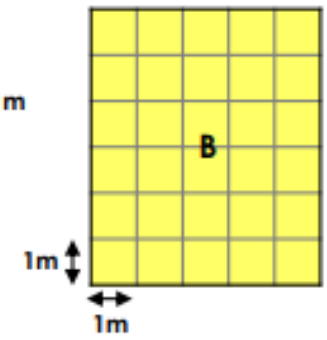
20cm²	18cm²	21cm²

Not to scale

VF

4b. Match the shape to the correct area.





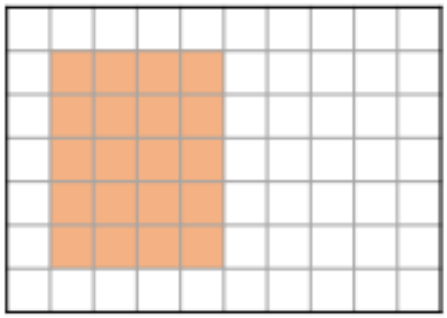
30m²	16m²	25m²

Not to scale

VF

Area of Rectangles

5a. Complete the shape to make a rectangle with an area of 40cm².



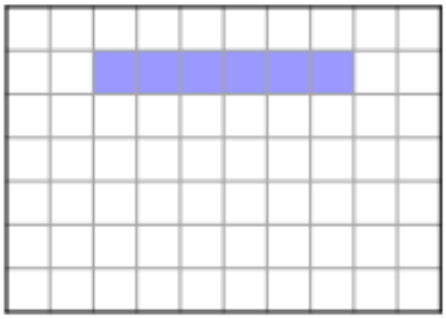
Write down the calculation used to show the length and width of the rectangle.

Not to scale

VF

Area of Rectangles

5b. Complete the shape to make a rectangle with an area of 36cm².

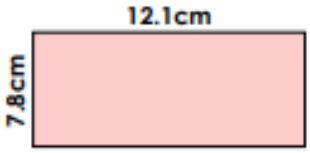


Write down the calculation used to show the length and width of the rectangle.

Not to scale

VF

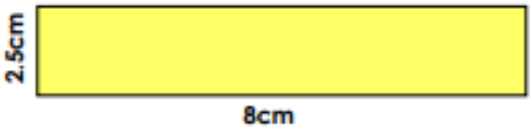
6a. Calculate the estimated area of the rectangle.



Not to scale

VF

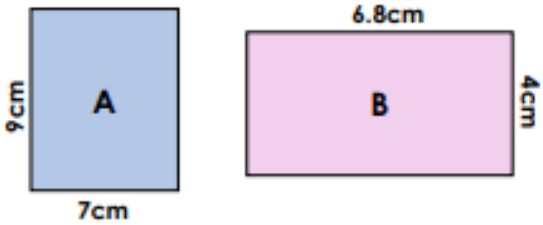
6b. Calculate the estimated area of the rectangle.



Not to scale

VF

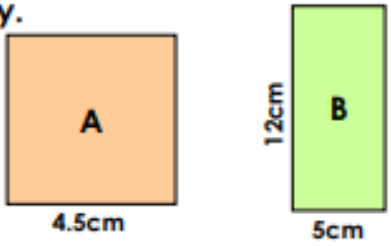
7a. Calculate the total area of both rectangles. Round estimate where necessary.



Not to scale

VF

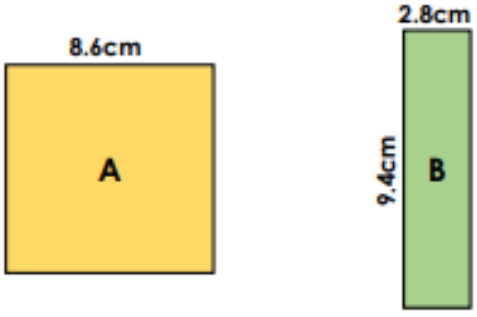
7b. Calculate the total area of both rectangles. Round estimate where necessary.



Not to scale

VF

8a. Match the shape to the correct estimated area.

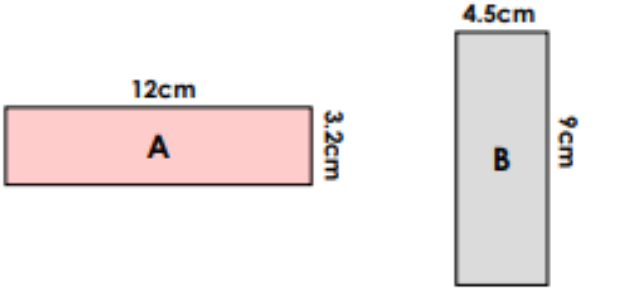


27cm²	64cm²	81cm²

Not to scale

VF

8b. Match the shape to the correct estimated area.



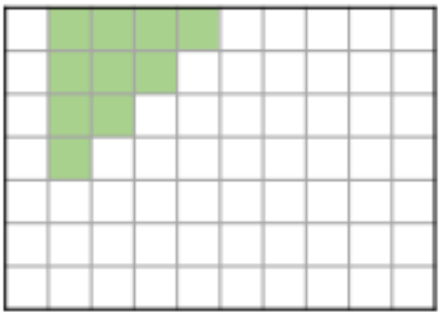
45cm²	36cm²	48cm²

Not to scale

VF

Area of Rectangles

9a. Complete the shape to make a rectangle with an area of 56cm².



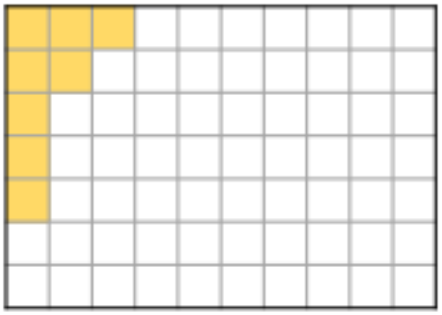
Write down the calculation used to show the length and width of the rectangle.

Not to scale

VF

Area of Rectangles

9b. Complete the shape to make a rectangle with an area of 49cm².

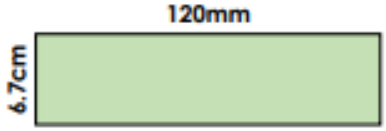


Write down the calculation used to show the length and width of the rectangle.

Not to scale

VF

10a. Calculate the estimated area of the rectangle. Give your answer in cm.



Not to scale

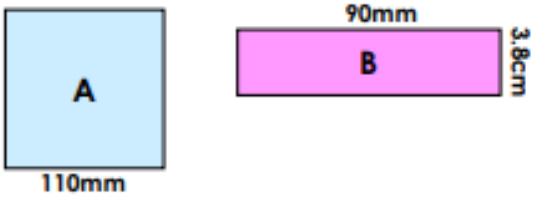
VF

10b. Calculate the estimated area of the square. Give your answer in mm.

Not to scale

VF

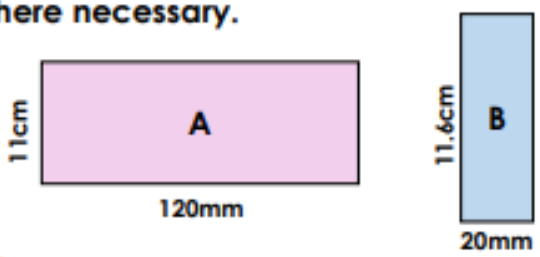
11a. Calculate the total area of both shapes in cm². Round to estimate where necessary.



Not to scale

VF

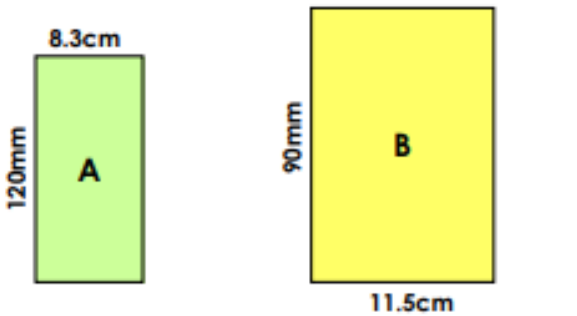
11b. Calculate the total area of both rectangles in cm². Round to estimate where necessary.



Not to scale

VF

12a. Match the shape to the correct estimated area.

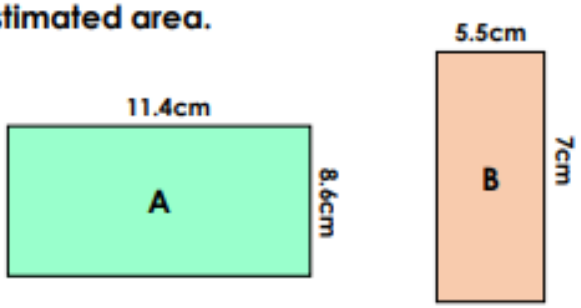


96cm²	96mm²	108cm²

Not to scale

VF

12b. Match the shape to the correct estimated area.



42cm²	88cm²	9,900mm²

Not to scale

VF

ANSWERS

Varied Fluency
Area of Rectangles

Developing

1a. Children complete the shape to the dimensions 9cm x 6cm (24 more squares).
2a. 6cm x 3cm = 18cm^2
3a. A: 12cm^2; B: 15cm^2; total area: 27cm^2
4a. A = 20cm^2, B = 18cm^2

Expected

5a. Children complete the shape to the dimensions 8cm x 5cm (20 more squares).
6a. 12cm x 8cm = 96cm^2
7a. A: 7cm x 9cm = 63cm^2; B: 7cm x 4cm = 28cm^2; total area: 63cm^2 + 28cm^2 = 91cm^2
8a. A = 81cm^2, B = 27cm^2

Greater Depth

9a. Children complete the shape to the dimensions 8cm x 7cm (46 more squares).
10a. 12cm x 7cm = 84cm^2
11a. A: 11cm x 11cm = 121cm^2; B: 9cm x 4cm = 36cm^2; total area: 121cm^2 + 36cm^2 = 157cm^2
12a. A = 96cm^2, B = 108cm^2

Varied Fluency
Area of Rectangles

Developing

1b. Children complete the shape to the dimensions 7cm x 6cm (28 more squares).
2b. 3cm x 10cm = 30cm^2
3b. A: 25cm^2; B: 8cm^2; total area: 33cm^2
4b. A = 16m^2, B = 30m^2

Expected

5b. Children complete the shape to the dimensions 6cm x 6cm (30 more squares).
6b. 8cm x 3cm = 24cm^2
7b. A: 5cm x 5cm = 25cm^2; B: 12cm x 5cm = 60cm^2; total area: 25cm^2 + 60cm^2 = 85cm^2
8b. A = 36cm^2, B = 45cm^2

Greater Depth

9b. Children complete the shape to the dimensions 7cm x 7cm (41 more squares).
10b. 120mm x 120mm = 14,400mm^2
11b. A: 12cm x 11cm = 132cm^2; B: 2cm x 12cm = 24cm^2; total area: 144cm^2 + 24cm^2 = 156cm^2
12b. A = 9,900mm^2, B = 42cm^2