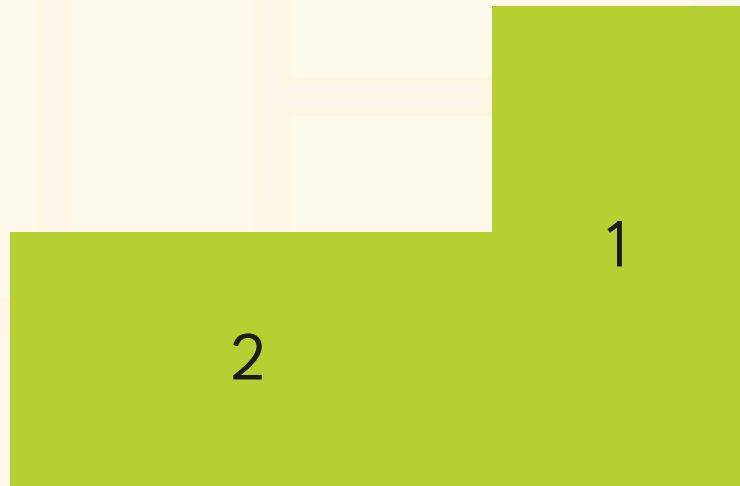# Compound Area

Compound Area

Compound area is where a shape can be made up of other shapes.

The area of a compound shape can be found by calculating the area of the shapes from which they can be formed, and adding these together.

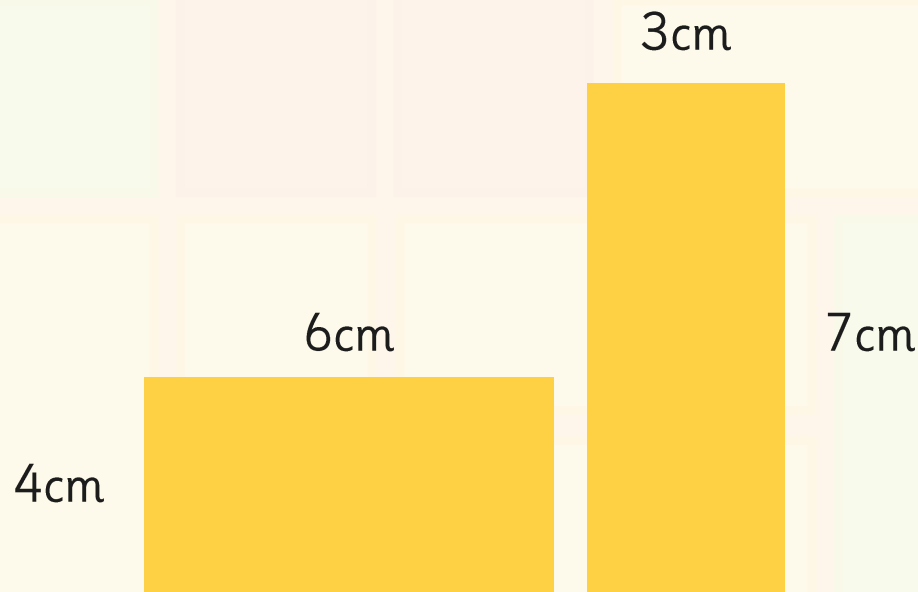Here is a compound shape made of 2 rectangles.

1

2

Compound Area
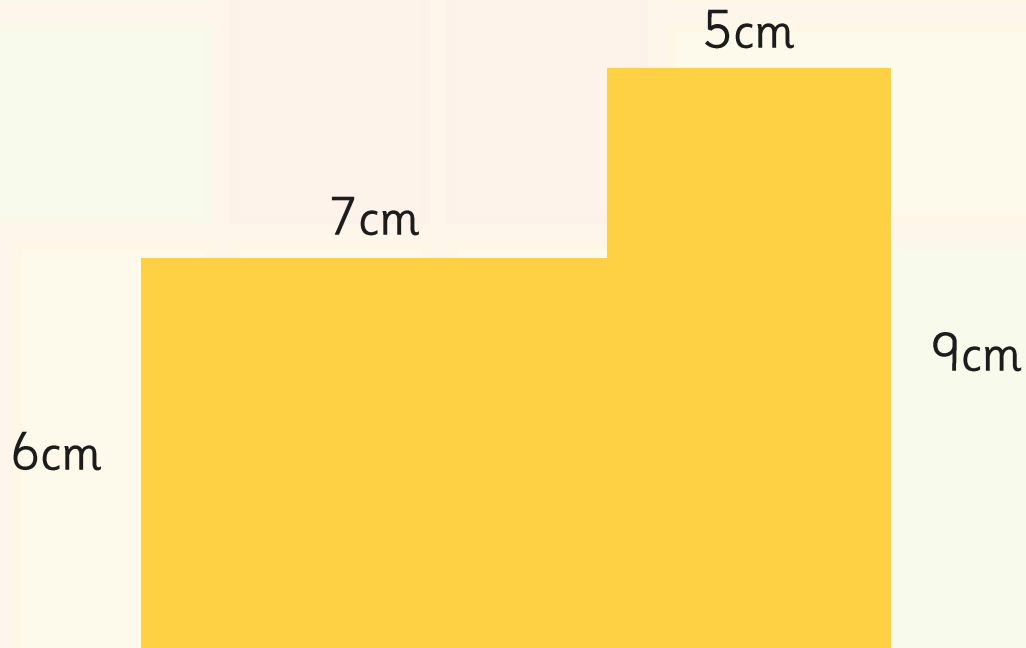
Calculate the area of this compound shape:

3cm

6cm

7cm

4cm

Compound Area

Calculate the area of this compound shape:

3cm

6cm

7cm

4cm
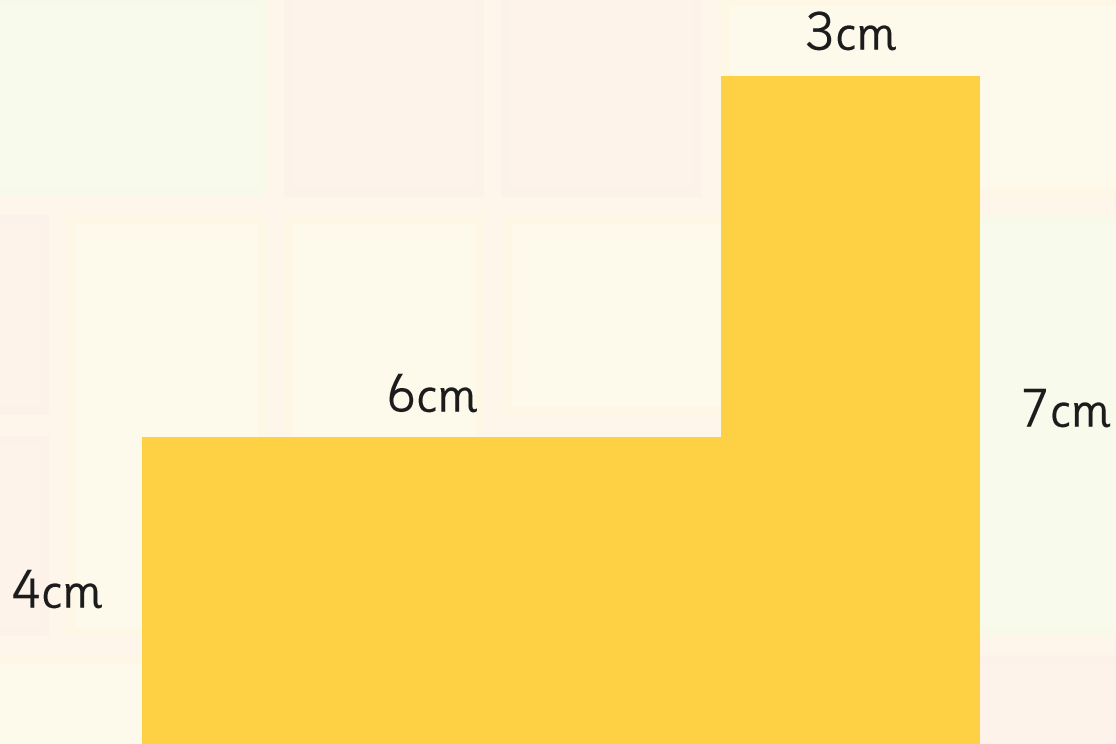
Area = (4cm x 6cm) + (3cm x 7cm) = 24cm² + 21cm² = 45cm²

Compound Area

Calculate the area of this compound shape:

5cm

7cm

9cm

6cm

Area = (6cm x 7cm) + (5cm x 9cm) = 42cm² + 45cm² = 87cm²

Compound Area

Calculate the area of this compound shape:

3cm

6cm

8cm

2cm
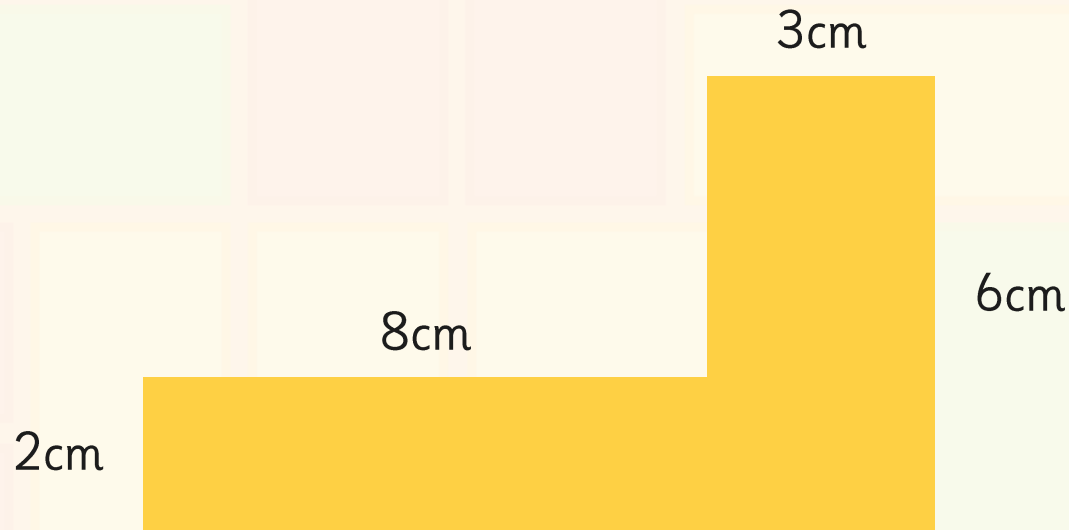
Area = (2cm x 8cm) + (3cm x 6cm) = 16cm² + 18cm² = 34cm²

Compound Area

Calculate the area of this compound shape:

5cm

10cm

4cm

5cm
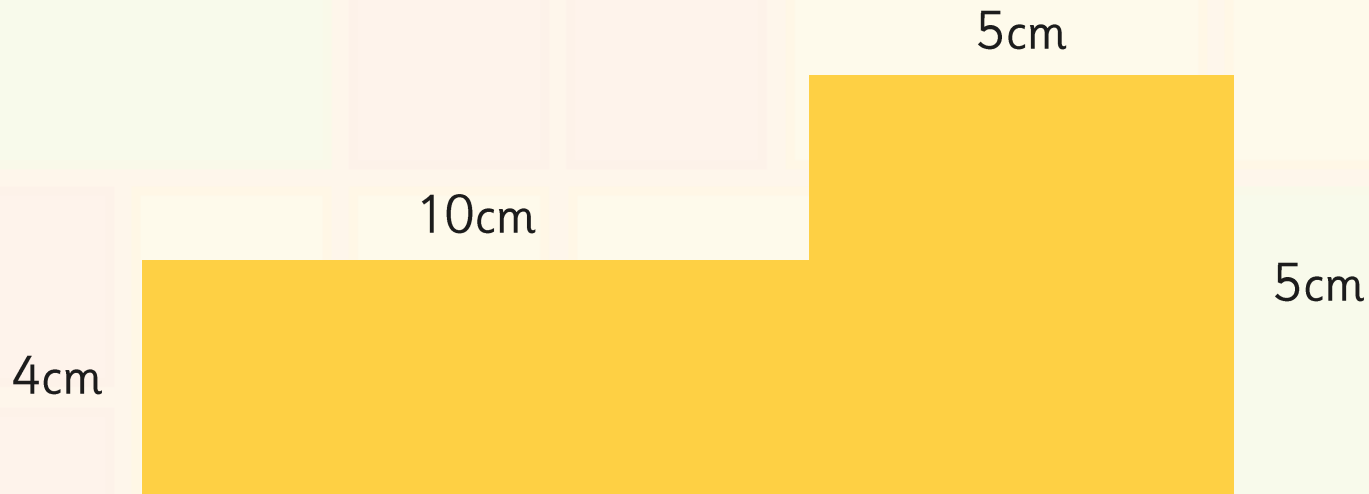
Area = (4cm x 10cm) + (5cm x 5cm) = 40cm² + 25cm² = 65cm²

Compound Area

Calculate the area of this compound shape:

3cm

7cm

6cm

8cm
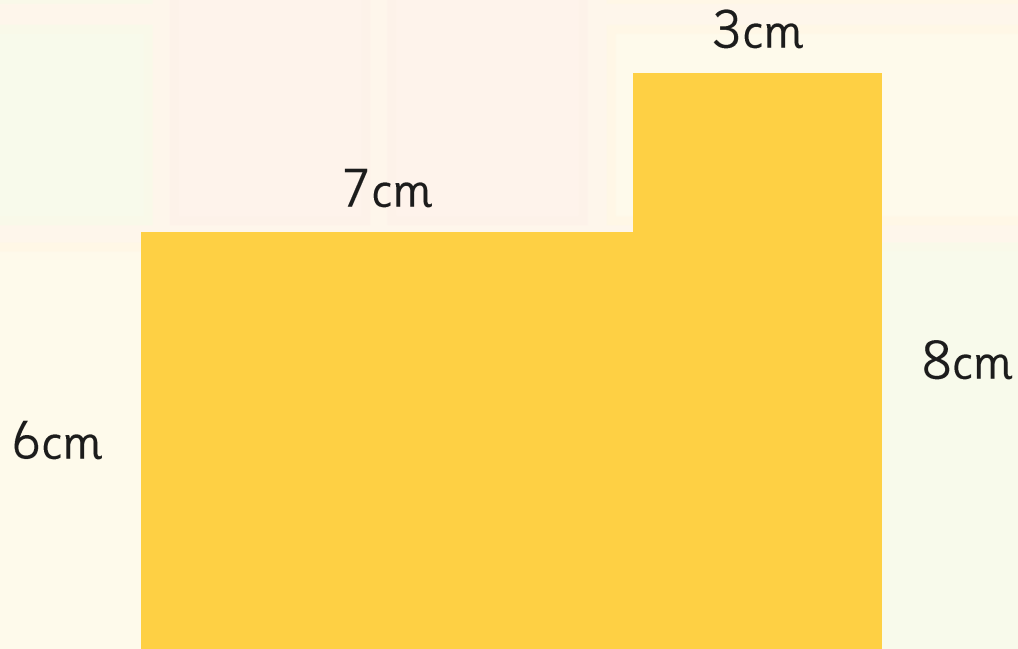
Area = (8cm x 3cm) + (7cm x 6cm) = 24cm² + 42cm² = 66cm²

Compound Area

Calculate the area of this compound shape:

4cm

8cm

12cm

8cm
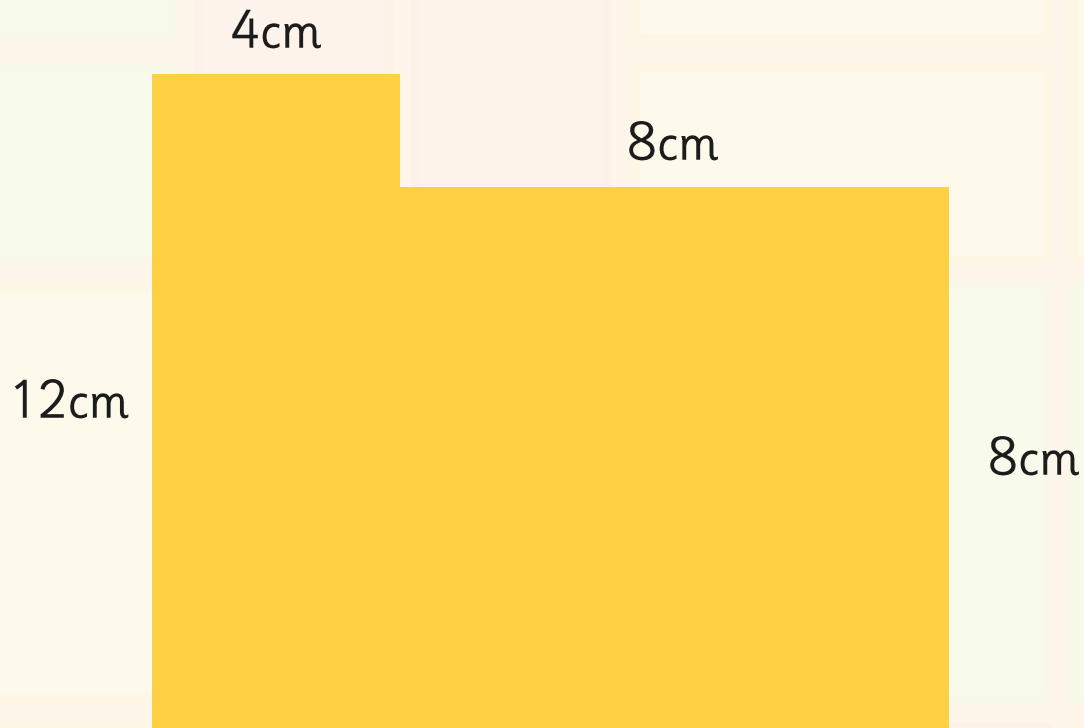
Area = (12cm x 4cm) + (8cm x 8cm) = 48cm² + 64cm² = 112cm²

Compound Area

Calculate the area of this compound shape:

9cm

15cm

7cm

6cm

Area = (7cm x 9cm) + (15cm x 6cm) = 63cm² + 90cm² = 153cm²

Compound Area

Calculate the area of this compound shape:

16cm

4cm

5cm
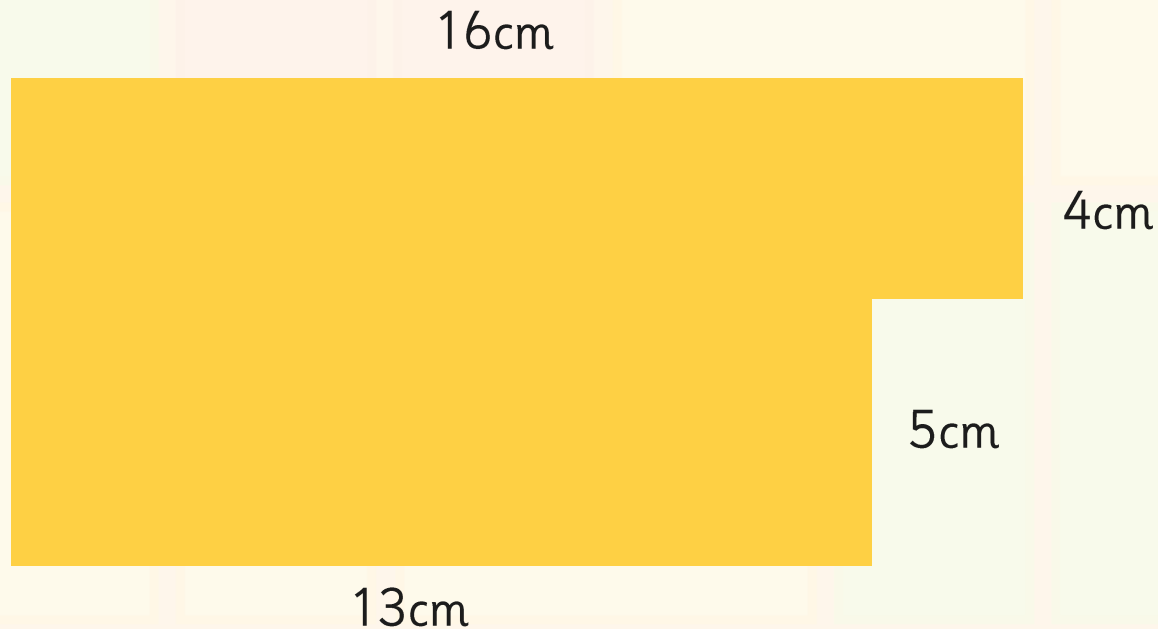
13cm

Area = (16cm x 4cm) + (13cm x 5cm) = 64cm² + 65cm² = 129cm²

Compound Area

Calculate the area of this compound shape:

32cm

6cm
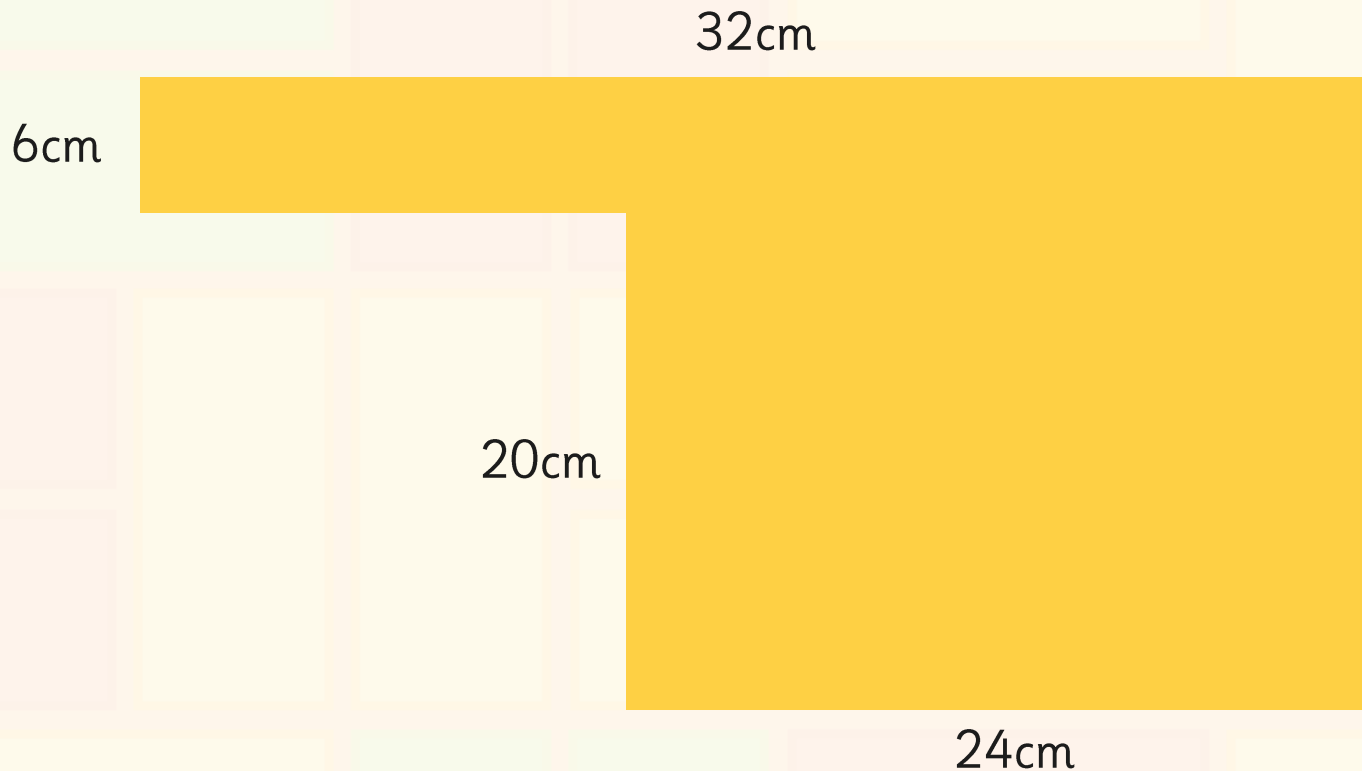
20cm

24cm

Area = (6cm x 32cm) + (20cm x 24cm) = 192cm² + 480cm² = 672cm²

Compound Area

Calculate the area of this compound shape:

28cm

8cm
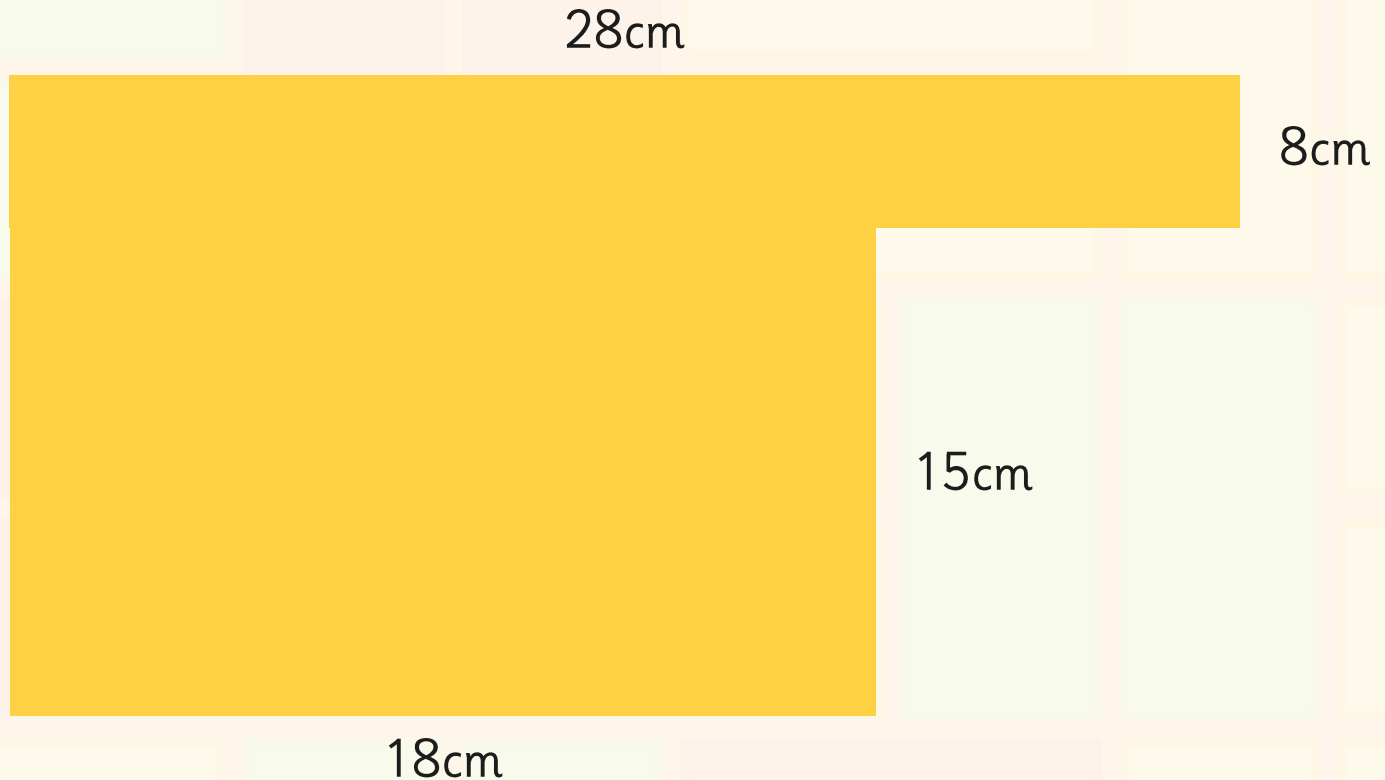
15cm

18cm

Area = (28cm x 8cm) + (18cm x 15cm) = 224cm² + 270cm² = 494cm²