Corbett maths

Examples

Workout

Click here
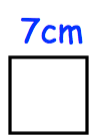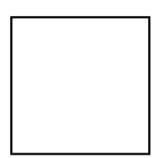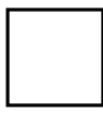
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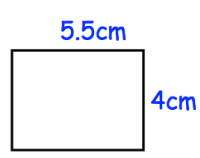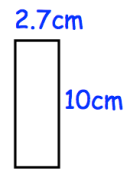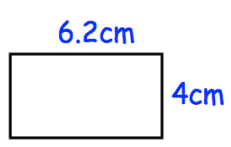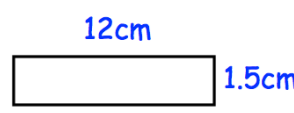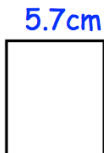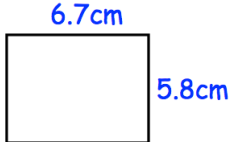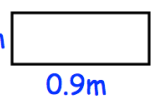
Question 1: Calculate the area of each of these rectangles

(a)
9cm
5cm

(b)
8cm
7cm

(c)
12cm
2cm

(d)
3cm
15cm

(e)
20cm
11cm

(f)
25cm
10cm

(g)
14cm
4cm

(h)
50cm
20cm

(i)
3m
8m

(j)
12 miles
18 miles

(k)
5mm
33mm

(l)
65cm
9cm

Question 2: Work out the area of each of these squares

(a)
7cm

(b)
20cm

(c)
9mm

(d)
14cm
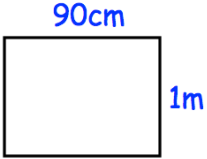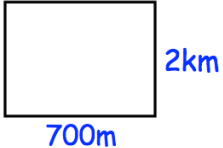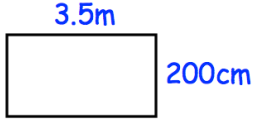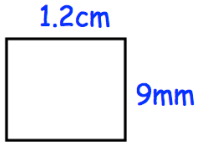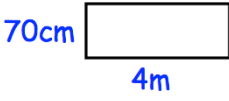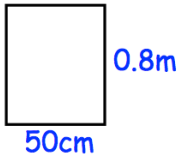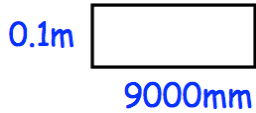
Question 3: Work out the area of each of these rectangles

(a)
5.5cm
4cm

(b)
2.7cm
10cm

(c)
6.2cm
4cm

(d)
12cm
1.5cm

(e)
5.7cm
9cm

(f)
6.7cm
5.8cm

(g)
0.3m
0.9m

(h)
0.6km
1.3km
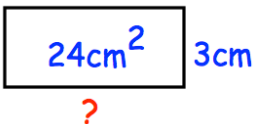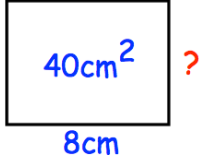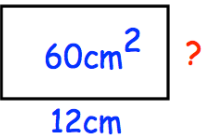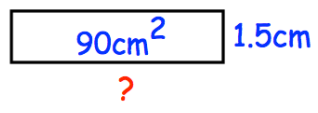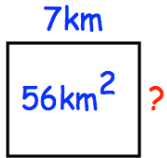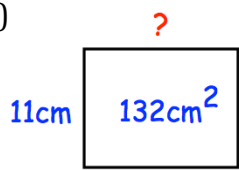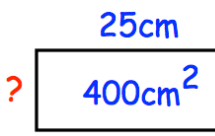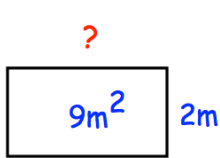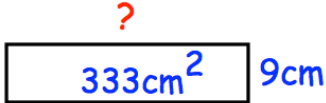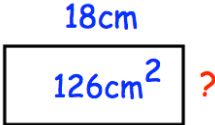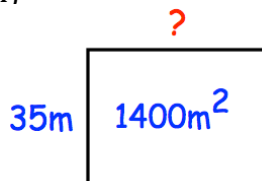
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Question 4:   Work out the area of each of these rectangles.
State your units for each answer.

(a)

90cm

1m

(b)

2km

700m

(c)

3.5m

200cm

(d)

1.2cm

9mm

(e)

70cm

4m

(f)

0.8m

50cm

(g)

0.1m

9000mm

Question 5:   The area of each of these rectangles have been given.
Find the length of the missing sides.

(a)

24cm^2 3cm

?

(b)

40cm^2 ?

8cm

(c)

15mm

?   30mm^2

(d)

60cm^2 ?

12cm

(e)

90cm^2 1.5cm

?

(f)

7km

56km^2 ?

(g)

?

11cm   132cm^2

(h)

25cm

?   400cm^2

(i)

?

9m^2 2m

(j)

?

333cm^2 9cm

(k)

18cm

126cm^2 ?

(l)

?

35m   1400m^2

Apply

Question 1:   A farmer has a field that is 300m long and 70m wide.
Calculate the area of the field.

Question 2:   A piece of paper has a length of 18cm and a width of 6cm.
Find the area of paper.

Question 3:   A rectangle has an area of 30cm^2
Write down the length and width of **three** rectangles with an area of 30cm^2

Question 4:   These two rectangles have the same area.
Find the length of the second rectangle.

8cm

5cm

x

2cm

Question 5:   A rectangle has an area of 80cm^2 and a perimeter of 48cm.
Find the length and width of the rectangle.

Question 6:   A rectangle has an area of 100cm^2 and a perimeter of 104cm.
Find the length and width of the rectangle.

Question 7:   Mr Jenkins has a grass lawn that is 24m wide and 30m long.
Mr Jenkins cuts the grass at a rate of 9m^2 per minute.
How long will it take Mr Jenkins to cut all the grass?

Question 8:   A football pitch is 110m long and has a perimeter of 360m.
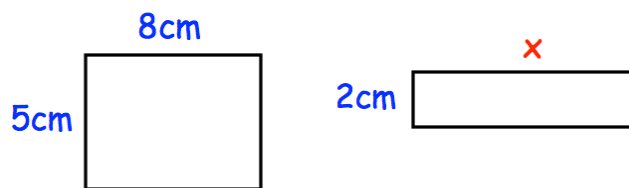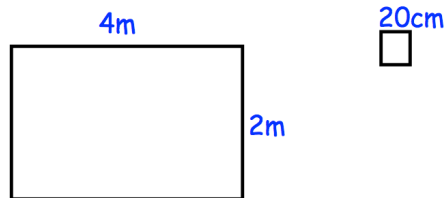Find the area of the football pitch.

Question 9:   A rectangular room is 14m long and 8m wide.
Jessica is going to carpet the room with carpet that costs £17.50 per square
metre.
Work out the cost of carpeting the room.
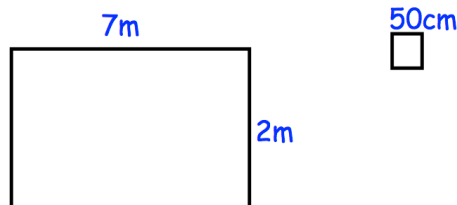
Question 10: Mr Harris is tiling his bathroom floor.
The bathroom floor is a rectangle measuring 4m by 2m.
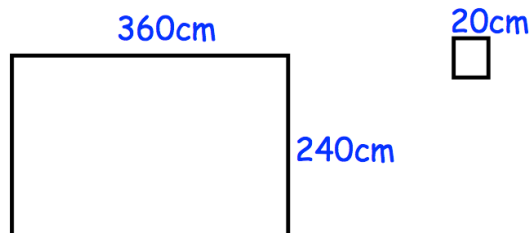Each tile is 20cm by 20cm.

4m

20cm

2m

How many tiles does he need?

Question 11: Henry is tiling his kitchen wall.
The kitchen wall is a rectangle measuring 7m by 2m.
Each tile is 50cm by 50cm.

7m

50cm

2m

How many tiles does he need?

Question 12: Mrs Rodgers is tiling her bathroom wall.
The bathroom wall is 360cm long and 240cm high.
Each tile is 20cm by 20cm

360cm

20cm

240cm

The tiles are sold in boxes of 6.
Each box costs £8.
How much will it cost Mrs Rodgers to tile her bathroom wall?

Answers

Click here

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