Solving problems involving area and perimeter.

Find the area and perimeter of these 2D shapes.

*squares represent 1cm.

a)

b)

c)

4cm

6cm

d)

3cm

e)

8cm

12cm

f)

4cm

7cm

i)

3cm

6cm

3cm

3cm

j)

2cm

4cm

7cm

2cm

l)

?

5cm

54cm²

5cm

20cm²
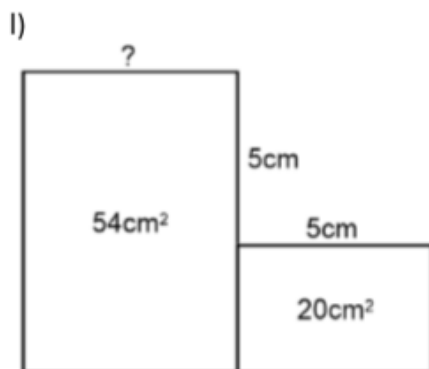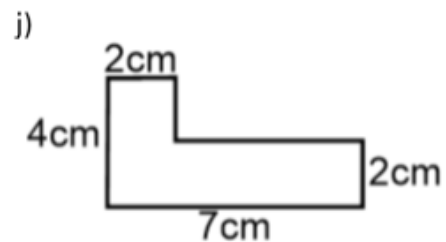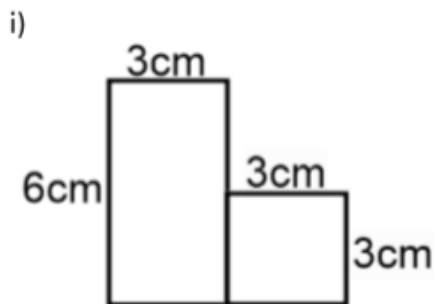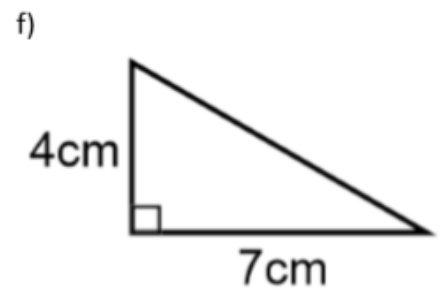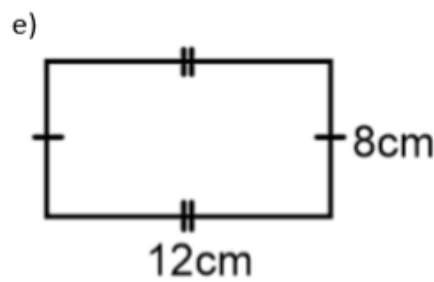
Solving problems involving area and perimeter.

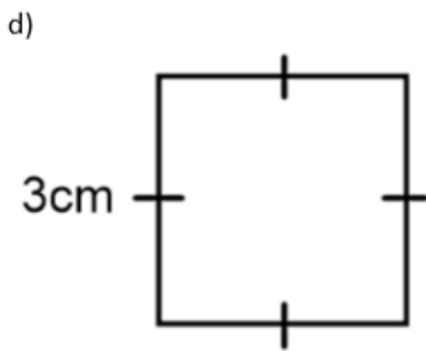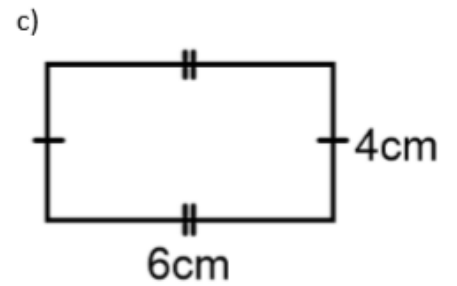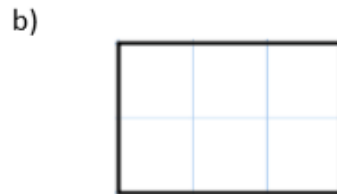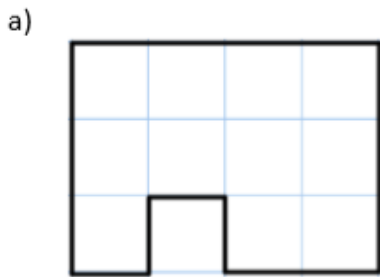Fill in the missing numbers in the table.

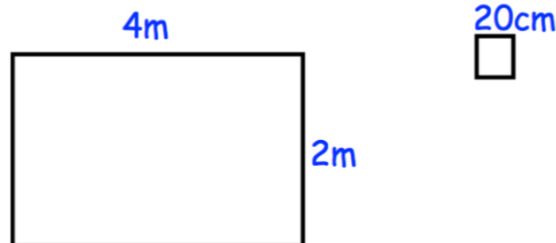| Length	Width	Area	Perimeter
12 m	8 m	_____	_____
10 m	6 m	_____	_____
9 m	5 m	_____	_____
3 m	_____	12 m^2	_____
5 m	_____	25 m^2	_____
_____	3 m	30 m^2	_____
_____	8 m	88 m^2	_____
5 m	_____	_____	24 m
3 m	_____	_____	22 m
15 m	2 m	_____	_____
_____	7 m	28 m^2	_____
_____	8 m	80 m^2	_____
20 m	2 m	_____	_____
_____	_____	15 m^2	16 m
_____	_____	10 m^2	22 m

Solving problems involving area and perimeter.

Mr Harris is tiling his bathroom floor.
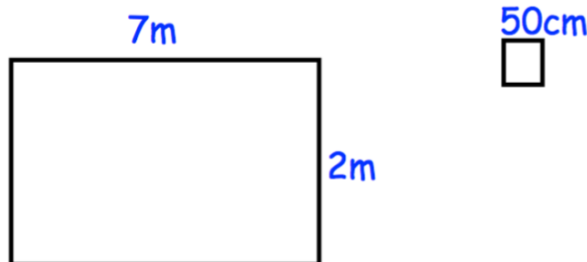The bathroom floor is a rectangle measuring 4m by 2m.
Each tile is 20cm by 20cm.

4m

20cm

2m

How many tiles does he need?

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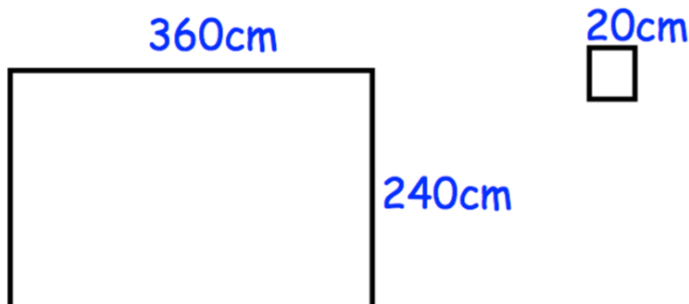Each tile is 50cm by 50cm.

7m

50cm

2m

How many tiles does he need?

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?