

Caroline saves the same amount of money each month.

She saves £420 in 3 months.

How much does she save in a year?

Mo and Annie are each thinking of a number.

 $\frac{2}{3}$  of Mo's number is equal to  $\frac{2}{5}$  of Annie's number.

The difference between their numbers is 72

What is the sum of their numbers?

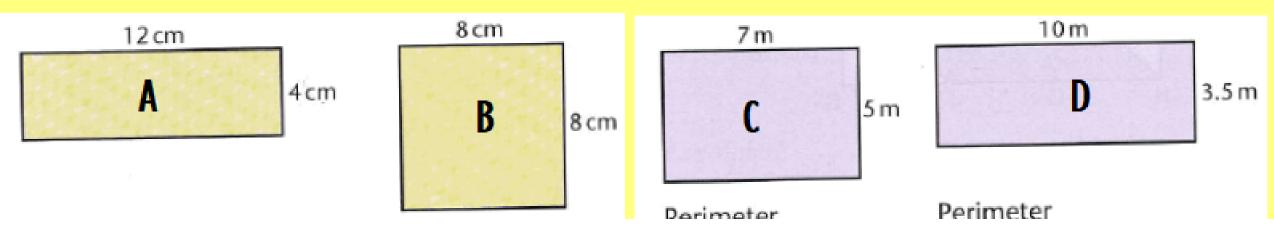
## L.O. Investigate links between area and perimeter.

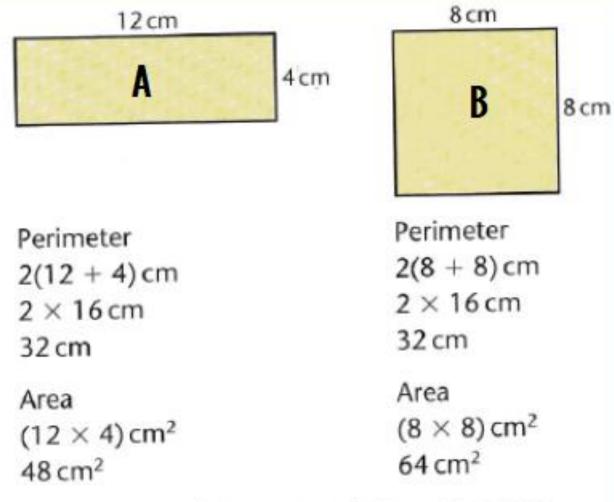
What is area?

What is perimeter?

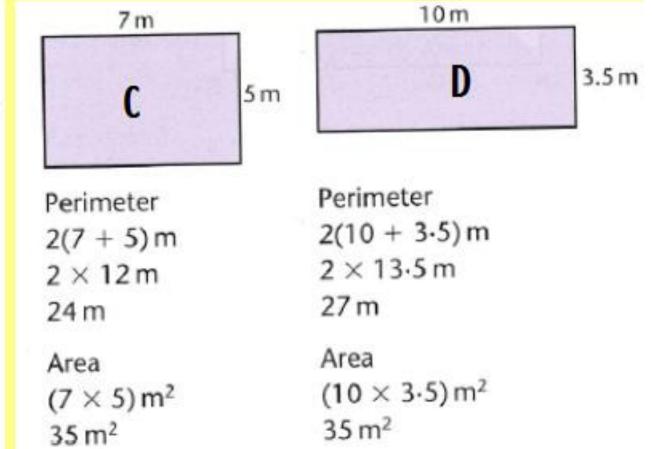
How can we calculate these?

What is the formula?



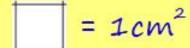


The square and the rectangle have the same perimeter but different areas.



The rectangles have the same area but different perimeters.

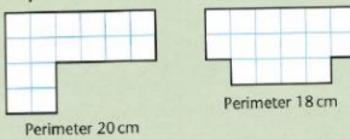
## L.O. Investigate links between area and perimeter. TYM page 98 & 99



Use 1 cm squared paper.

 Using only the grid lines draw different shapes each with an area of 16 cm<sup>2</sup>.
 Work out the perimeter of each shape.

## Examples

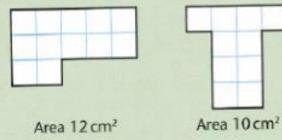


Which of all the possible shapes has the smallest perimeter?

Using only the grid lines find ways of drawing shapes with a perimeter of 16 cm.

Work out the area of each shape.

## Examples



- Which of all the possible shapes has the largest area?
- 6 A farmer has 40 m of fence. What is the maximum area he can enclose using four straight lengths of fence?
- O Using 1 cm squared paper, Pabel and Melissa both draw rectangles with an area of 48 cm<sup>2</sup>. Pabel's rectangle is 12 cm long. Melissa's rectangle is 4 cm shorter. Give the length and width of both rectangles.

6	Use 1 cm <sup>2</sup> paper. Estimate the area of your foot.	-													
6	How many square millimetres are there in one square centimetre?	F													
0	How many square centimetres are there in one square metre?		90						57 - 59 53 - 39					9	
8	How many square millimetres are there in one square metre?								2 2					1	
9	A room is 5 metres long by 3 metres wide. It costs £285 to carpet the room. How much does the carpet cost per	Ţ													
	square metre?	t	100							:	0				
10	Each wall tile is 20 cm by 20 cm. How many tiles are needed to cover	-			_										
	a) one square metre	1		_			_								_
	b) the area of bathroom wall shown below?	Ļ		_		_									
	DCIOW.														
		I													
	3 m 2 m														
	1-2m	I						5			5				
	4m													$_{\perp}$	_

An oblong has a perimeter of 30cm. What length could the sides be?

