

Year 5 - Maths

Group 1

Lesson 1 – I can measure perimeter

Lesson 2 – I can calculate the perimeter of a rectangle.

Lesson 3 -I can calculate perimeter of composite rectilinear shapes.

Lesson 4 – I can calculate area by counting squares.

Lesson 5 – I can calculate the area of a shape with varying scales.



There will be a youtube video available for each lesson on the MPJS youtube page.

Learning Question: Lesson 1

I can measure perimeter - WTS

Getting Started - Independent Practice

Measure the sides of each shape.

Find the perimeter of each shape.

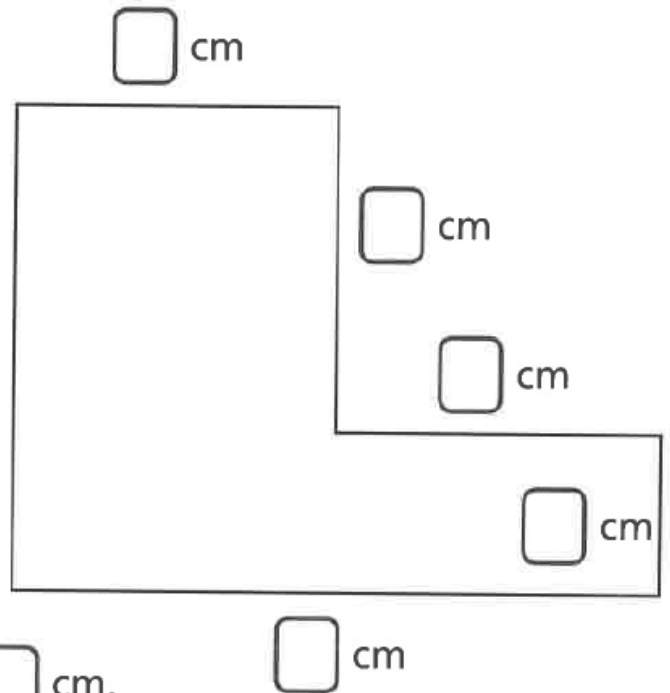
a) cm + cm +

cm + cm +

cm + cm

= cm

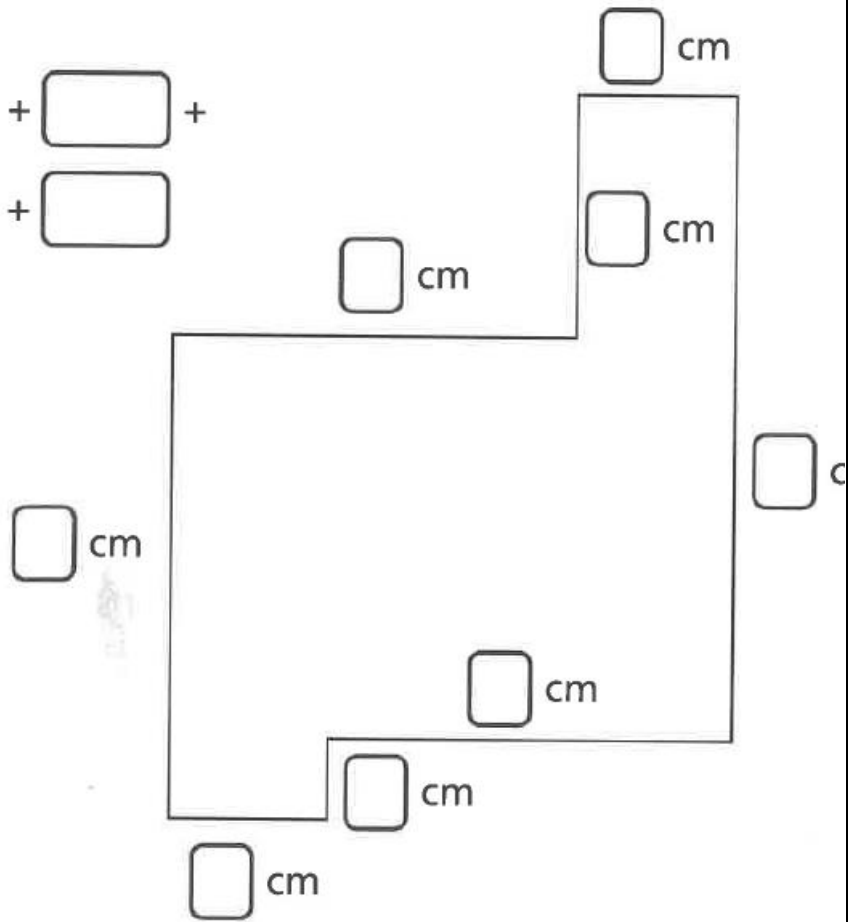
cm



The perimeter of the shape is cm.

cm

b) $\square + \square + \square + \square +$
 $\square + \square + \square + \square$
 $= \square$



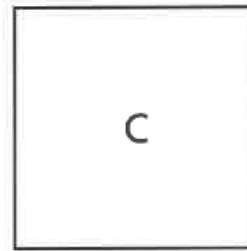
The perimeter of the shape is \square cm.

Making Headway

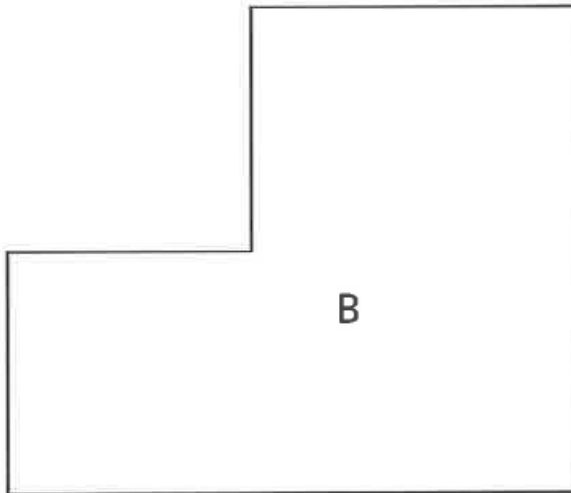
Measure each shape to find its perimeter.



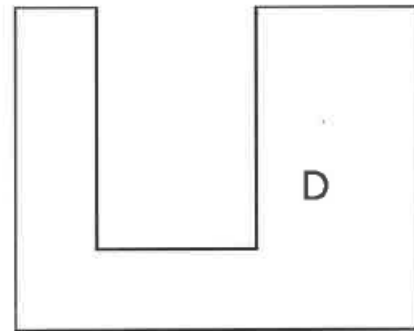
a) Perimeter = cm



c) Perimeter = cm



b) Perimeter = cm



d) Perimeter = cm

e) Which shape has the greatest perimeter? Shape

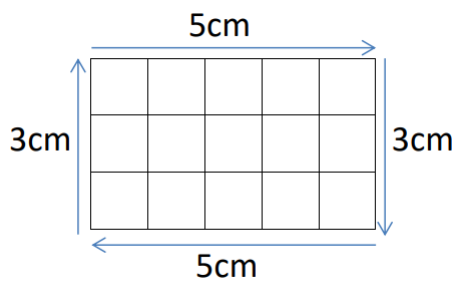
Learning Question: Lesson 2

I can calculate the perimeter of a rectangle.

Getting Started - Independent Practice

Example:

To find the perimeter you have to add up the measurements around the rectangle.



$$3 + 3 = 6$$

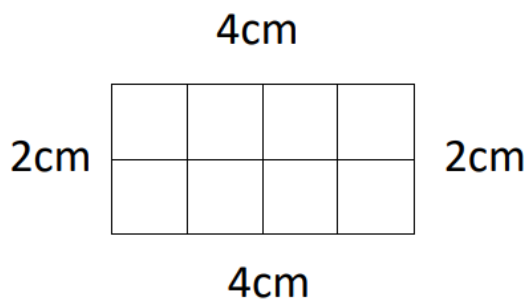
$$5 + 5 = 10$$

$$6 + 10 = 16$$

The perimeter of this rectangle is 16cm.

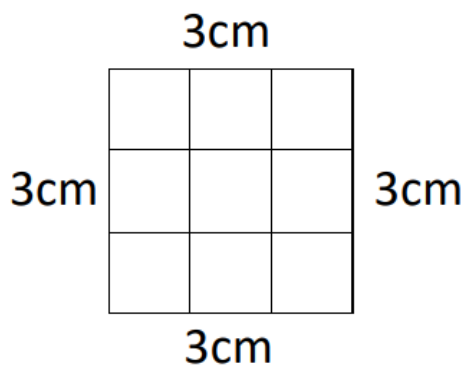
Can you find the perimeter of these rectangles?

1)



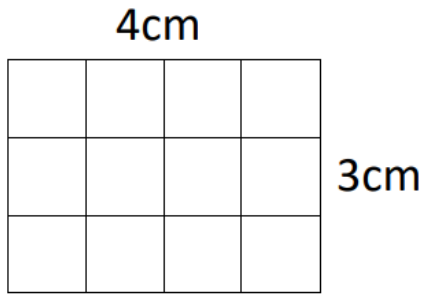
Perimeter = _____ cm

2)



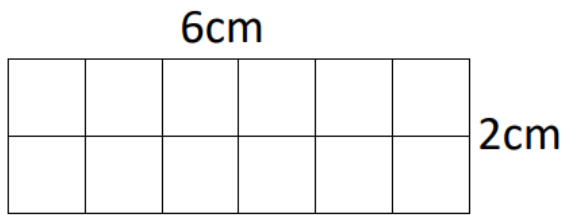
Perimeter = _____ cm

3)



Perimeter = _____ cm

4)

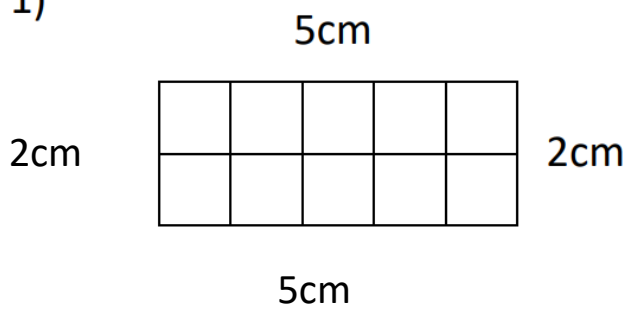


Perimeter = _____ cm



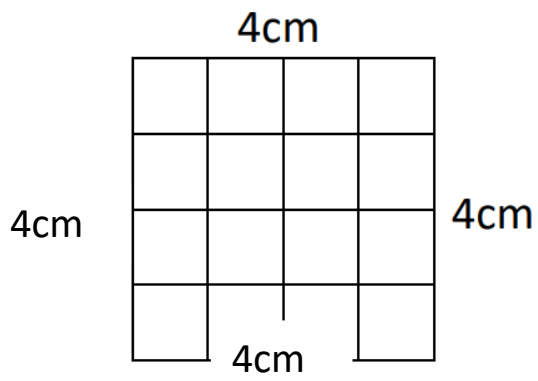
Making Headway

1)



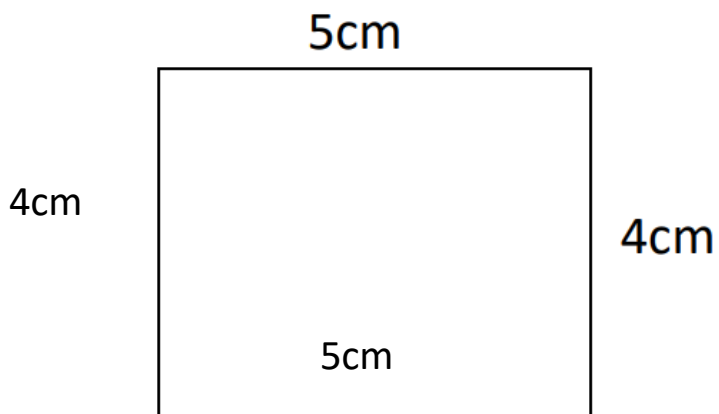
Perimeter = _____ cm

2)



Perimeter = _____ cm

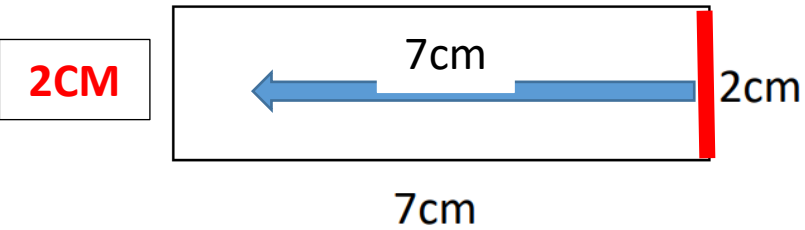
Aiming high



Perimeter = _____ cm

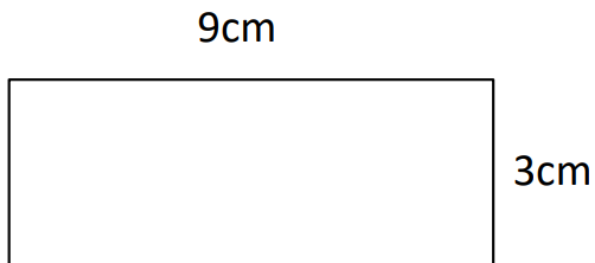
Getting Started - Independent Practice

Example – Sometimes there are missing measurements, if it is a rectangle you can find the missing measurement by looking at the other side.



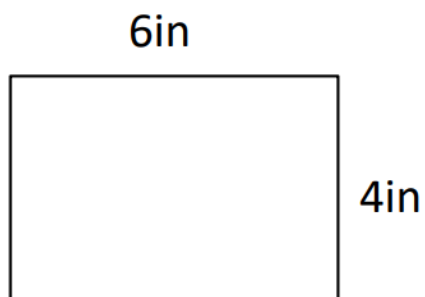
Can you work out the perimeter of these rectangles?

1)



Perimeter = _____ cm

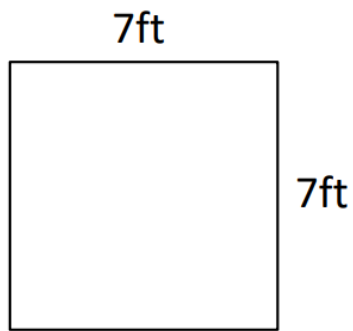
2)



Perimeter = _____ in

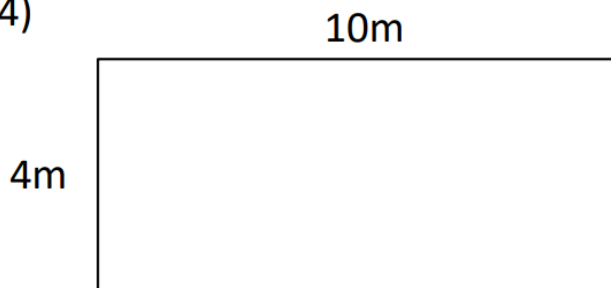
Making headway

3)



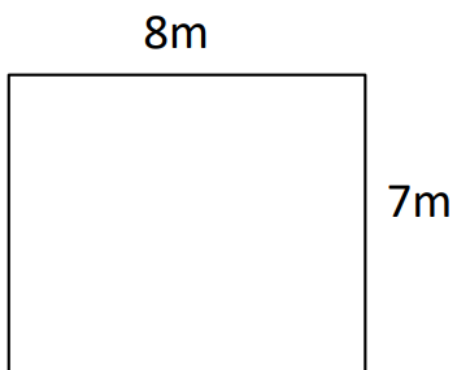
Perimeter = _____ ft

4)



Perimeter = _____ m

Aiming high



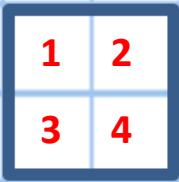
Perimeter = _____ m

Learning Question: Lesson 4

I can calculate area by counting squares. - ALL

Getting Started - Independent Practice

Can you count the squares to work out the area?



Area = 4



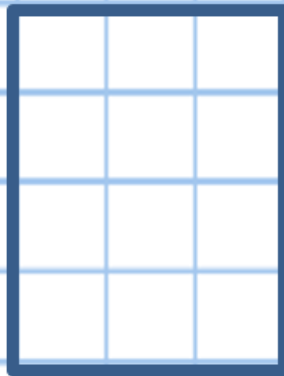
Area =



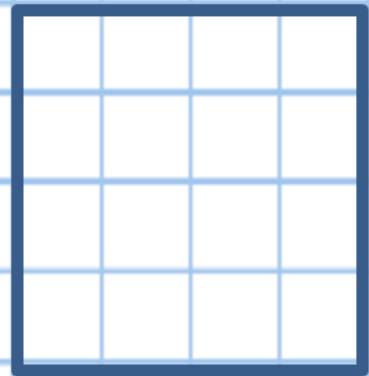
Area =



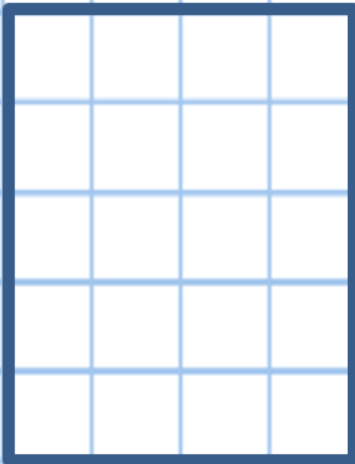
Area =



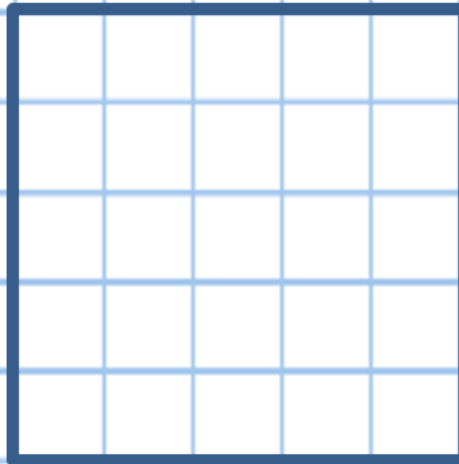
Area:



Area =



Area =



Area =



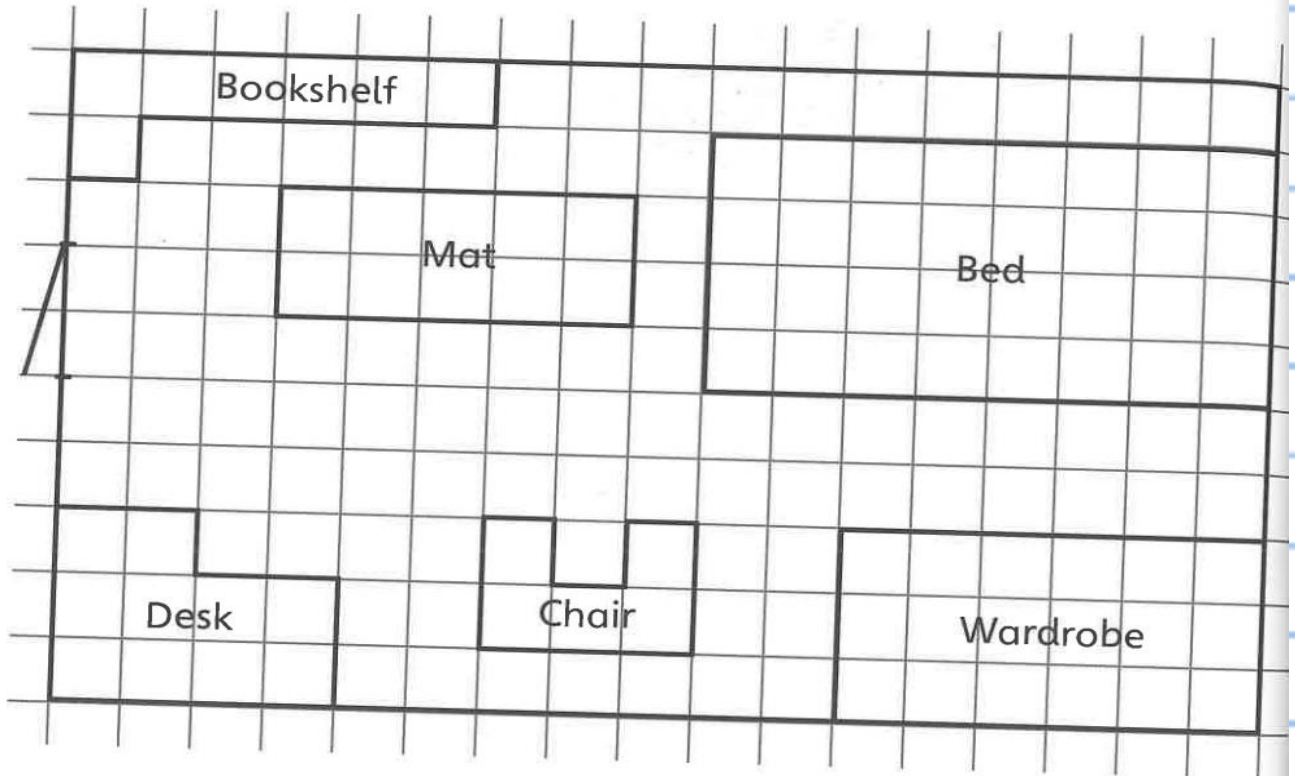
Area =

Making Headway

Can you count the squares to work out the area?



I Here is a plan of a child's bedroom.



- a) Complete the table to show the area of each object on the plan.
- b) Draw your own object on the plan and in the last line of the table write down its area.

Object	Area (squares)
Desk	
Chair	
Wardrobe	
Mat	
Bookshelf	
Bed	

Getting Started

1 2 3 4 5
6 7 8 9 10

10

Making Headway

Example - I have drawn a shape with an area of 5.

1. Can you draw a shape with an area of 10?
2. Can you draw a shape with an area of 30?

3. Can you draw a shape with an area of 25?

Example:

