

## Maths Task – 4.5.20

MNP Workbook: **3B**

Chapter 14: **Perimeter of Figures**

Lesson 5&6: **Measuring Perimeter** (pages 193-196)

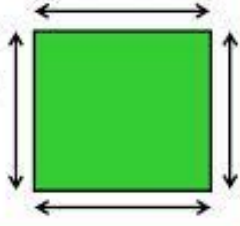
**Skill:** I can measure the perimeter of 2-D shapes.

Last week, you started exploring perimeter. We will continue working on this skill today and tomorrow.

**Reminders:**

### What is Perimeter?

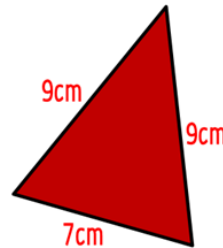
The perimeter is the distance all the way around the outside of a 2D shape.



### Finding the Perimeter

To work out the perimeter, add up the lengths of all the sides.

The perimeter of this triangle is:  
 $9\text{cm} + 9\text{cm} + 7\text{cm} = 25\text{cm}$

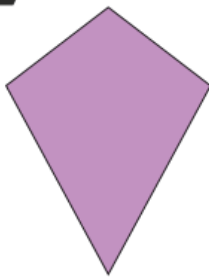


Click here to recap on further support

<https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zsr4k7h>

## Measuring Perimeter

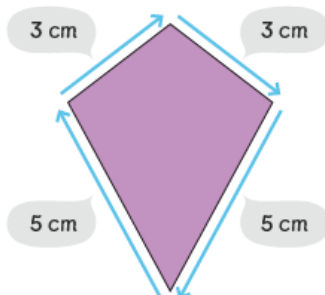
### In Focus



How do we find the perimeter of this figure?

### Let's Learn

- 1 Recall that perimeter is the length around the figure.

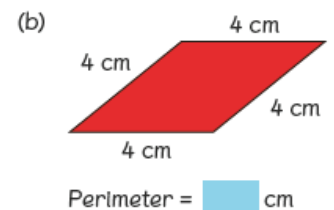
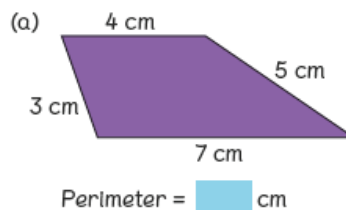


Use a ruler to measure the length of each side.

$$\text{Perimeter} = 5\text{ cm} + 3\text{ cm} + 3\text{ cm} + 5\text{ cm} \\ = 16\text{ cm}$$



- 2 Calculate the perimeter of each figure.



How will you calculate the perimeter?

What method will you use?

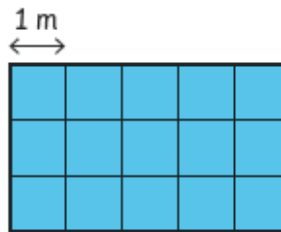
# Other Methods to calculate Perimeter

## In Focus

Large tiles are used to form a rectangle.

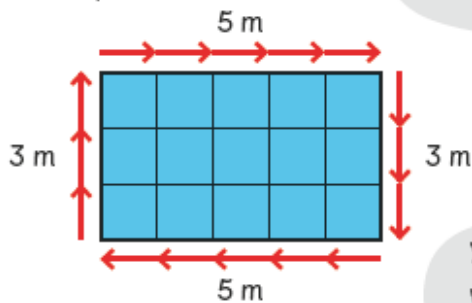
How far is the distance around the rectangle?

Compare it to the perimeter of a tile.



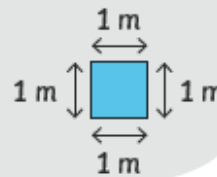
## Let's Learn

- 1 Find the perimeter.



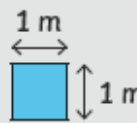
$$\begin{aligned} \text{Perimeter} &= 5 \text{ m} + 3 \text{ m} + 5 \text{ m} + 3 \text{ m} \\ &= 16 \text{ m} \end{aligned}$$

Use a piece of rope to form

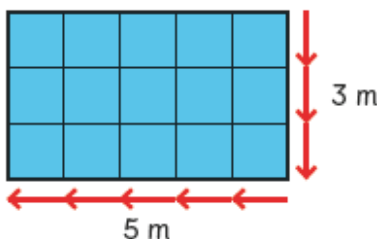


Method 1 you are familiar with. Add up each of the sides to get the total.

Your teacher will show you a tile that is



- 2 Find the perimeter.



$$5 \text{ m} + 3 \text{ m} = 8 \text{ m}$$

$$\begin{aligned} \text{Perimeter} &= 2 \times 8 \text{ m} \\ &= 16 \text{ m} \end{aligned}$$

### Method 2

There is a shortcut to finding the perimeter of some figures. Look at the rectangle. Do you notice a pattern in the length of the sides?

### Method 2

Look at the rectangle above. We know that 2 sides are 3m and the other 2 sides are 5m. So, if we know the length of each of these sides, we can simply add them and multiply by 2 to find the perimeter.

Watch this video to support your learning further with finding the perimeter. <https://www.youtube.com/watch?v=AAY1bsazcgM>

### Task

1. Complete the MNP worksheets in your yellow homework book.
2. Once you have finished, mark your work with an adult using the MNP answer sheets.

*If you need to ask a question, post it on the blog and I can help.*

### Extension Work

Click here some more questions on perimeter

Click here to play a fun game

<https://www.sheppardsoftware.com/mathgames/geometry/shapeshoot/PerimeterShapesShoot.htm>