

# GRAYS TUITION CENTRE – Online Tutoring

**WEEK: 3**

**Week Beginning: (04/01/2021)**

**Subject: MATHS**

**Year: 3**

## **Lesson Objective:**

- Understand what perimeter and area of a shape is
- Be able to understand how to work area and perimeter – simple shapes
- Be able to accurately work out area and perimeter

## **Class Worksheets**

- The whole topic will be explained in lesson – using example questions
- Worksheets on perimeter and area

## **Homework**

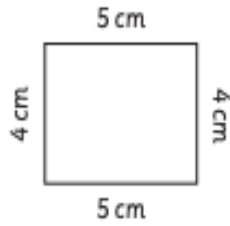
- Worksheet on accurately working out perimeter and area
- Use basic mathematical skills to work out perimeter and area

## **Additional Notes**

- All lesson worksheets and **homework for next week (due Week 4)** worksheets can be found below
- Week 2 homework will be marked in lesson

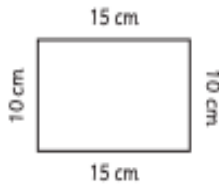
## B Perimeters

The perimeter is the distance around the outside edges of a shape.



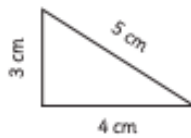
The perimeter of this rectangle is  $4\text{ cm} + 5\text{ cm} + 4\text{ cm} + 5\text{ cm} = 18\text{ cm}$

- 1 What is the perimeter of this rectangle?



$$10\text{ cm} + 15\text{ cm} + 10\text{ cm} + 15\text{ cm} = 50\text{ cm}$$

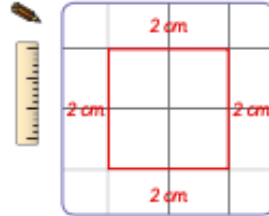
- 2 What is the perimeter of this triangle?




$$3\text{ cm} + 4\text{ cm} + 5\text{ cm} = 12\text{ cm}$$

- 4 A square has a perimeter of 8 cm. Use a ruler to draw the square at the right size.

Write the length on each side.



Three squares, each with a perimeter of 8 cm, are put together like this  to make a rectangle.

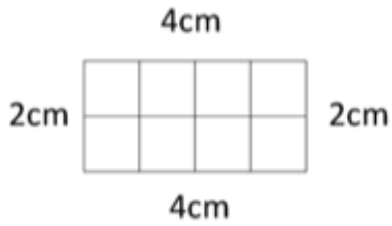
What is the perimeter of the rectangle?  $16\text{ cm}$

Bring it on!



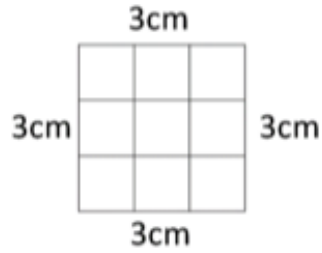
Work out the perimeter of the following rectangles:

1)



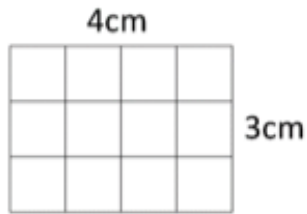
Perimeter = \_\_\_\_\_ cm

2)



Perimeter = \_\_\_\_\_ cm

3)



Perimeter = \_\_\_\_\_ cm

4)



Perimeter = \_\_\_\_\_ cm

PERIMETER SHEET 4



<p>1)</p> <p>Perimeter = _____ cm</p>	<p>2)</p> <p>Perimeter = _____ in</p>
<p>3)</p> <p>Perimeter = _____ cm</p>	<p>4)</p> <p>Perimeter = _____ m</p>
<p>5)</p> <p>Perimeter = _____ ft</p>	<p>6)</p> <p>Perimeter = _____ cm</p>

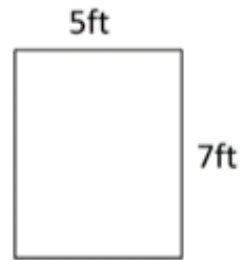
Work out the area of the following rectangles. They are not to scale.

1)



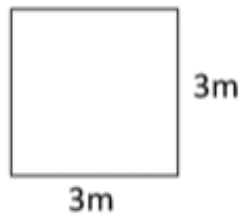
Area = \_\_\_\_\_ square cm

2)



Area = \_\_\_\_\_ square ft

3)



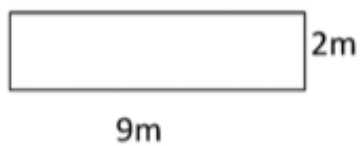
Area = \_\_\_\_\_ square m

4)



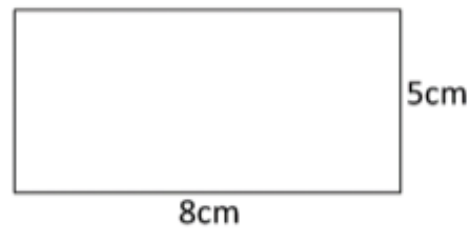
Area = \_\_\_\_\_ square in

5)



Area = \_\_\_\_\_ square m

6)

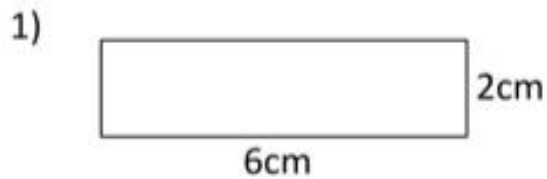


Area = \_\_\_\_\_ square cm

## AREA AND PERIMETER SHEET 2



Work out the area and perimeter of the following rectangles.  
They are not to scale. Remember - **area inside** and **perimeter outside**.



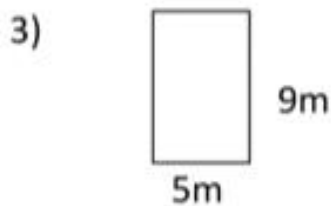
Area = \_\_\_\_\_ square cm

Perimeter = \_\_\_\_\_ cm



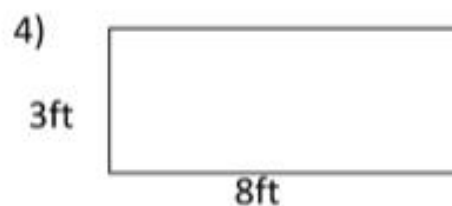
Area = \_\_\_\_\_ square mm

Perimeter = \_\_\_\_\_ mm



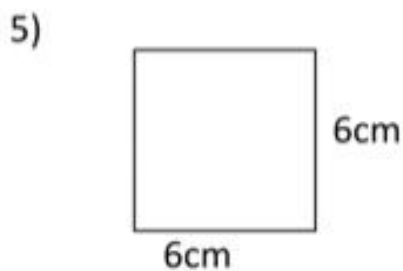
Area = \_\_\_\_\_ square m

Perimeter = \_\_\_\_\_ m



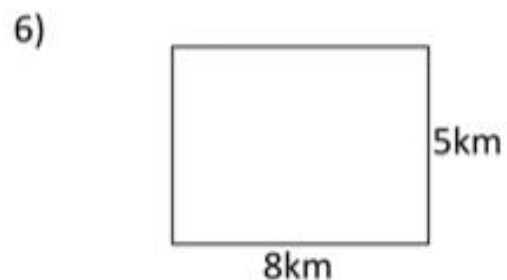
Area = \_\_\_\_\_ square ft

Perimeter = \_\_\_\_\_ ft



Area = \_\_\_\_\_ square cm

Perimeter = \_\_\_\_\_ cm



Area = \_\_\_\_\_ square km

Perimeter = \_\_\_\_\_ km

### Homework Questions:

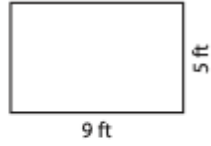
Find the perimeter of each rectangle.

1)



Perimeter =

2)



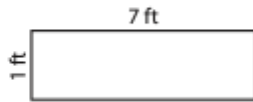
Perimeter =

3)



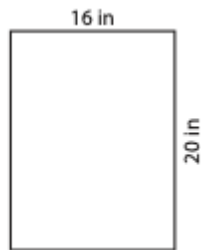
Perimeter =

4)



Perimeter =

5)



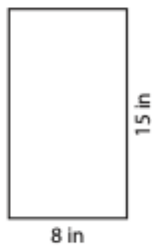
Perimeter =

6)



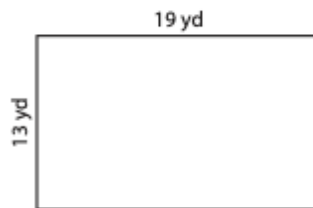
Perimeter =

7)



Perimeter =

8)



Perimeter =

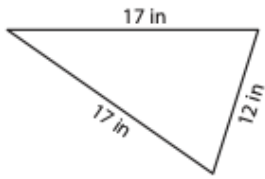
9)



Perimeter =

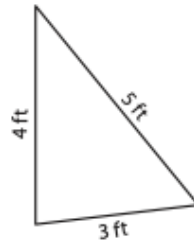
Find the perimeter of each triangle.

1)



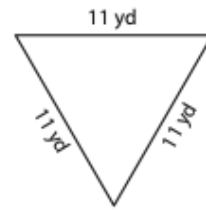
Perimeter = \_\_\_\_\_

2)



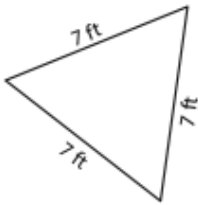
Perimeter = \_\_\_\_\_

3)



Perimeter = \_\_\_\_\_

4)



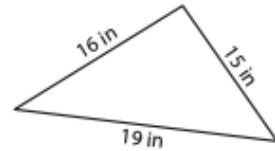
Perimeter = \_\_\_\_\_

5)



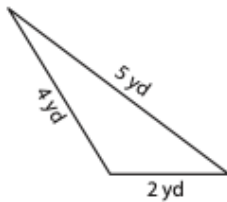
Perimeter = \_\_\_\_\_

6)



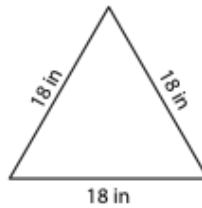
Perimeter = \_\_\_\_\_

7)



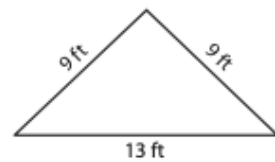
Perimeter = \_\_\_\_\_

8)



Perimeter = \_\_\_\_\_

9)



Perimeter = \_\_\_\_\_