

GRAYS TUITION CENTRE – Online Tutoring

WEEK: 4

Week Beginning: (11/01/2021)

Subject: MATHS

Year: 2

Lesson Objective:

- Understand what perimeter and area are of a shape
- Be able to understand how to work area and perimeter – exploring rectangles and triangles
- 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 5)** worksheets can be found below
- Week 3 homework will be marked in lesson
- All corrections will be explained in lesson

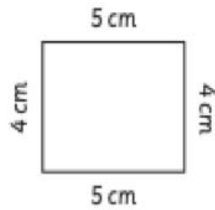
MENTAL MATHS SHEET 3:A3



1)	The difference between 11 and 3.	
2)	5×7	
3)	How many tens make 50?	
4)	Write the number two hundred and fifty-nine.	
5)	Which number is the smallest? 25 72 57 22 77 75	
6)	$7 + \underline{\quad} = 27$	
7)	What number is two less than 90?	
8)	How many edges? 	
9)	$50\text{cm} + 60\text{cm} = \underline{\quad}\text{m } \underline{\quad}\text{cm}$	
10)	Halve 24	
11)	The time is 10:30. What was the time an hour ago?	
12)	12 people are on a bus. 6 more people get on and one person gets off. How many on the bus now?	
13)	How many days in 2 weeks?	
14)	The month is January. Which month was it 2 months ago? September June April November December	
15)	I spend 6 TENS and one FIVE buying some candy. How much money did I spend?	
16)	The temperature is 18°C . It gets 7 degrees warmer. What is the temperature now?	

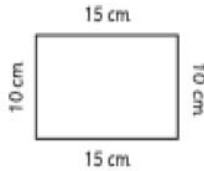
B Perimeters

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



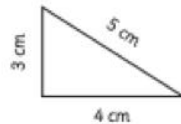
The perimeter of this rectangle is $4\text{ cm} + 5\text{ cm} + 4\text{ cm} + 5\text{ cm} = 18\text{ cm}$

- 1 What is the perimeter of this rectangle?



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

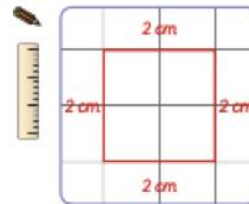
- 2 What is the perimeter of this triangle?




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

- 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.



Bring it on!

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

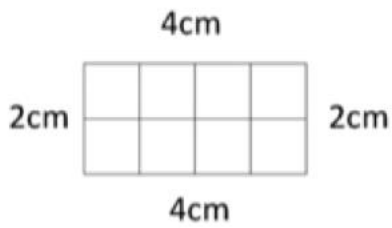
What is the perimeter of the rectangle?

$$2\text{ cm} + 2\text{ cm} + 2\text{ cm} + 2\text{ cm} + 2\text{ cm} + 2\text{ cm} = 16\text{ cm}$$



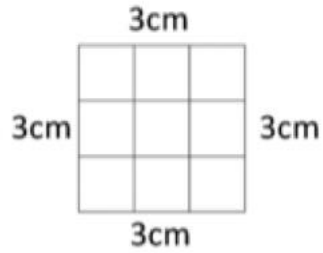
Work out the perimeter of the following rectangles:

1)



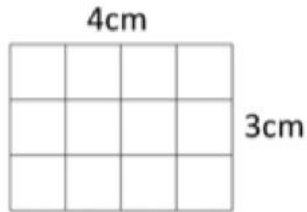
Perimeter = _____ cm

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>

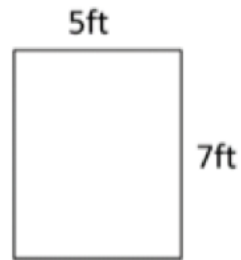
Work out the area of the following rectangles. They are not to scale.

1)



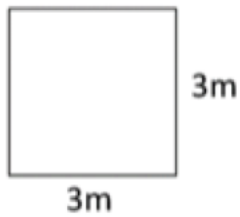
Area = _____ square cm

2)



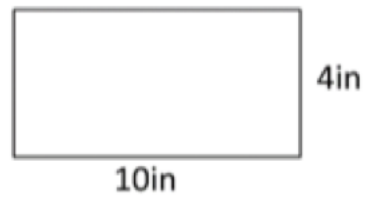
Area = _____ square ft

3)



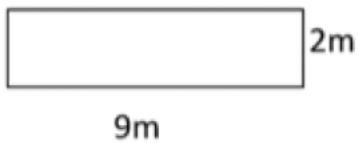
Area = _____ square m

4)



Area = _____ square in

5)



Area = _____ square m

6)



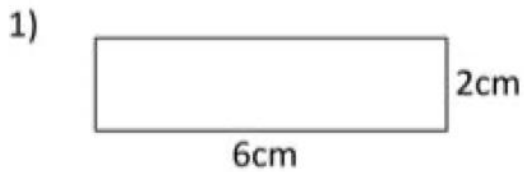
Area = _____ square cm

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**.



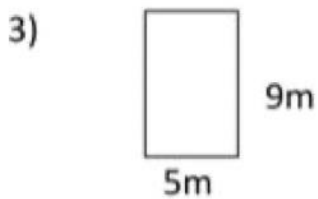
Area = _____ square cm

Perimeter = _____ cm



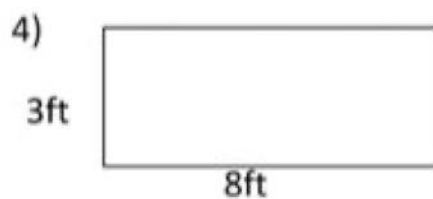
Area = _____ square mm

Perimeter = _____ mm



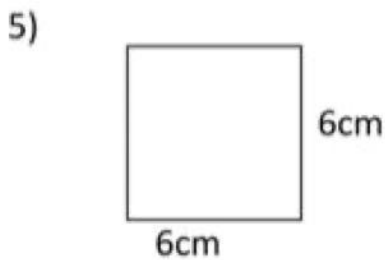
Area = _____ square m

Perimeter = _____ m



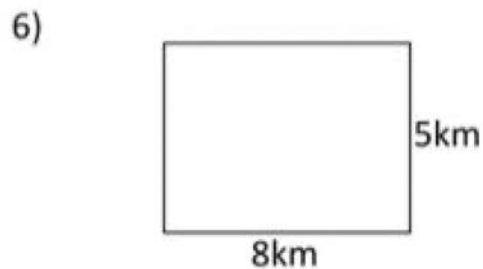
Area = _____ square ft

Perimeter = _____ ft



Area = _____ square cm

Perimeter = _____ cm



Area = _____ square km

Perimeter = _____ km

Homework Questions:

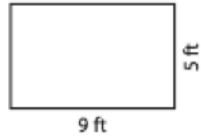
Find the perimeter of each rectangle.

1)



Perimeter =

2)



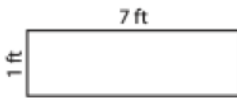
Perimeter =

3)



Perimeter =

4)



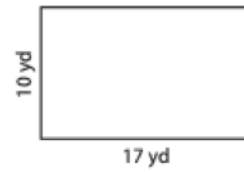
Perimeter =

5)



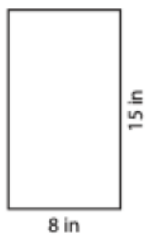
Perimeter =

6)



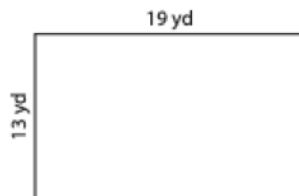
Perimeter =

7)



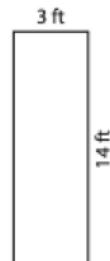
Perimeter =

8)



Perimeter =

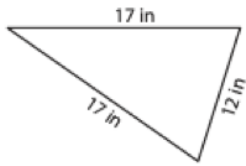
9)



Perimeter =

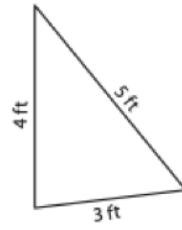
Find the perimeter of each triangle.

1)



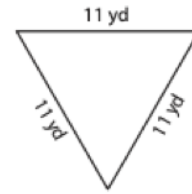
Perimeter = _____

2)



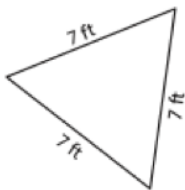
Perimeter = _____

3)



Perimeter = _____

4)



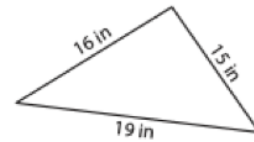
Perimeter = _____

5)



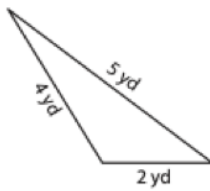
Perimeter = _____

6)



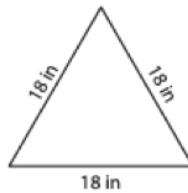
Perimeter = _____

7)



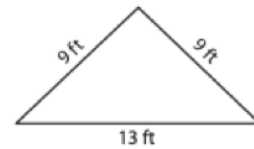
Perimeter = _____

8)



Perimeter = _____

9)



Perimeter = _____