

Name: \_\_\_\_\_ Grade & Section: \_\_\_\_\_

**Objective:** Finds the perimeter of triangles, squares, rectangles, parallelograms, and trapezoids

**Let's have a brief study about a perimeter!**



Image 1

is the distance all the way around the outside of a shape

**Formula of a Perimeter in a Triangle**




Equilateral Triangle	Isosceles Triangle	Scalene Triangle
$P = 3l$	$P = 2l + b$	$P = a + b + c$
		

Image 2

**Formula of a Perimeter for a Square**

Since it is square  
all sides are equal in length  
**Perimeter (P) =  $a+a+a+a$**

**$P = a+a+a+a$**

Example:  
if  $a = 3$  units then  
Perimeter (P) =  $3+3+3+3=12$  units

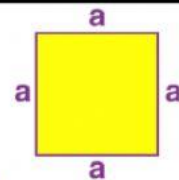


Image 3

**Formula for a Perimeter of a Rectangle**

Diagram of a rectangle with length = 5cm and width = 3cm.

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

Formula:  $P = 2l + 2w$

$P = 2(5\text{cm}) + 2(3\text{cm})$

$P = 10\text{cm} + 6\text{cm}$

Image 4

**Formula of a Perimeter of a Parallelogram**

Diagram of a parallelogram with side lengths 16 and 20.

$P = 2w + 2l$  Perimeter of a parallelogram.

$= 2(16) + 2(20)$  Substitute 16 for w and 20 for l

$= 32 + 40 = 72$  units

image 5

**Formula of a perimeter of a Trapezoid**

Diagram of a trapezoid with side lengths 3m, 4m, 3m, and 5m.

Find the perimeter:

Perimeter = sum of all of the sides

Perimeter =  $3 + 4 + 3 + 5$

Perimeter =  $7 + 8$

Perimeter = 15

Step 1: Find the lengths of all of the sides.

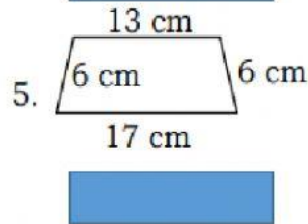
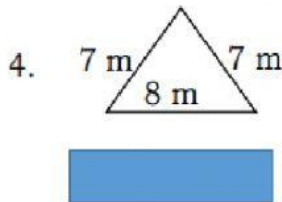
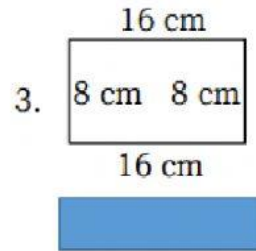
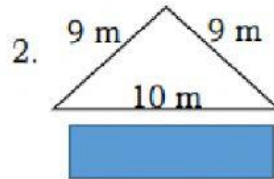
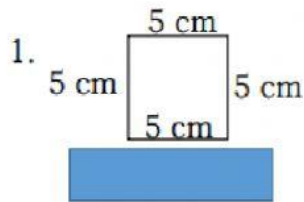
Step 2: Add.

Step 3: Write the units.

image 6

Let's Find out how deep is your understanding about our lesson by answering the following!

Direction: Find the Perimeter of each figure.



B. Direction: Read each problem carefully. Then solve for the perimeter. Choose the letter of the correct answer. Write your answer on the box provided.

1. It is a Christmas Holiday and Rona wants to put a lights around the TV. Look at the measurements. What length of lights does she need?



A. 800 cm    B. 1000 cm    C. 700 cm    D. 900 cm

2. One side of an equilateral triangular park measures 20m. What is the perimeter of a triangular park?



A. 20 m    B. 40 m    C. 60 m    D. 30 m

- ☐ 3. Jonel enclosed his vegetable garden with a fence. The four sides of the garden measures 10, 15, 17 and 9 meters. How long will be the fence?  
A. 25 m      B. 32 m      C. 42 m      D. 51 m
- ☐ 4. One side of a square playground of Bacon West Central School in Sorsogon City, measures 35 meters. How many meters of chicken wire are needed to enclose the playground?  
A. 70 m      B. 105 m      C. 140 m      D. 175 m
- ☐ 5. Josel bought a lot whose sides measure 23 m, 18 m, 23 m, and 18 m. What is the perimeter of the lot he bought?  
A. 82 m      B. 75 m      C. 54 m      d. 41 m

**References:**

**Published:**

Mathematics– Grade 4 Alternative Delivery Mode Quarter 3 – Module 8: Perimeter First Edition, 2020  
By Michael L. Delgado

**Web:**

Image 1 –color box images  
Image 2- byjus.com  
Image 3-blend spaces.com  
Image 4-virtual nerd  
Image 5 –slideplayer.com  
Image 6-maththispower4u