

# 6TH GRADE 2019 SUMMER VACATION MATHEMATICS PACKET (ENGLISH VERSION)

Due September 5, 2019

**Directions:**

Answer all questions. Show work in the box. Return packet to your math teacher in September.

Principal Ysidro Abreu (MS319)  
[Email address]

Name: \_\_\_\_\_ Class: \_\_\_\_\_

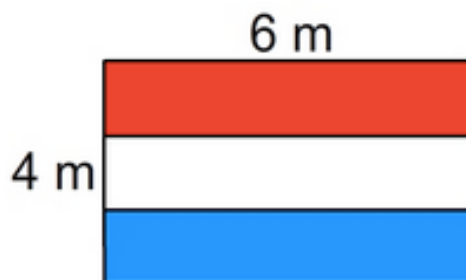
## Part I

### Problem 1:

#### Part 1:

This 6 m by 4 m flag is divided equally into three sections; a red, white and blue section. What is the area of the white section of the flag?

**Show your work.**



\*\* not to scale

#### Part 2:

Perimeter is the total distance around a shape.

What is the perimeter of the flag?

**Show your work.**

**Problem 2:**

Find the perimeter of each of the figures shown below.

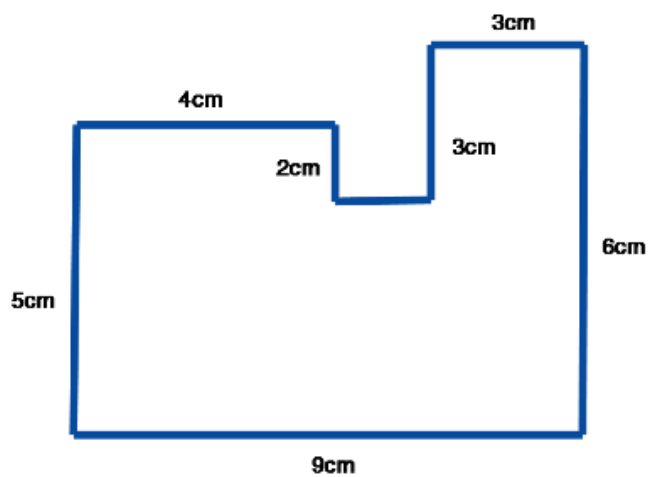
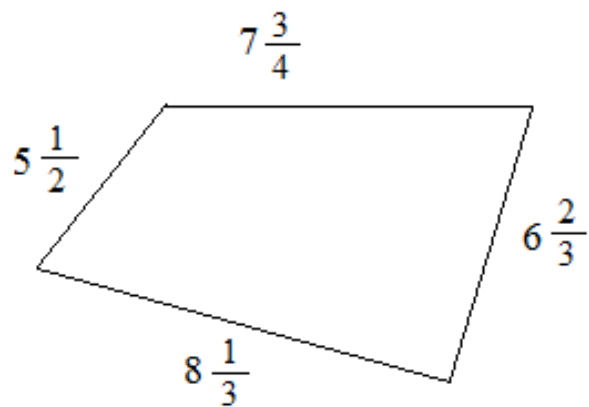


Figure 1



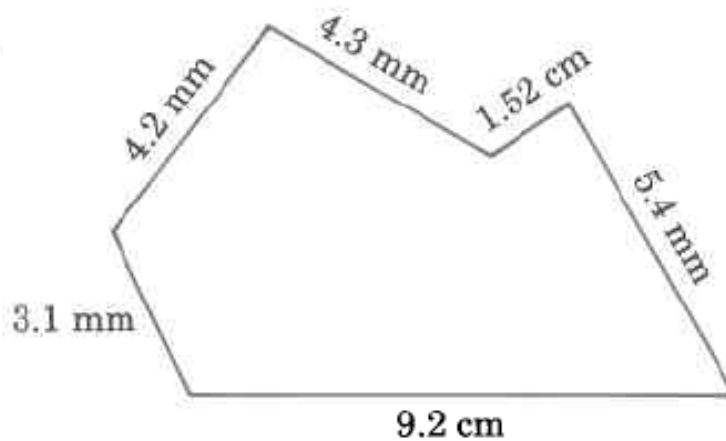
*Show your work.*

**Problem 3:**

**Part A:**

Find the perimeter the figure shown on the right.

*Show your work.*



**Part B:**

What is the difference between the largest and the smallest side?

**Problem 4:**

Find the perimeter the house floor plan below.



*Show your work.*

**PART II: To be completed by parent/guardian and student.**

Draw a floor plan of your apartment. Label the length of each side of the apartment in your floor plan. You may use feet (ft. or '), meters (m) or yard (yds.) as the unit of measurement. The floor plan does not have to be drawn to scale. Calculate the perimeter of each room shown in the floor plan.

Here is an example of what a floor plan may look like.

