## Grade 5 Mathematics

Week of December 18 - December 22

## Lesson 5.1: Perimeter

## Lesson Materials

- Lessons for Section 5.1 Perimeter
- Learning Guide (This PDF)

Use the link above to open the lessons for this section. Remember: on the lesson page, use the arrow next to the "Table of Contents" at the top of the page to move through the lessons. You can also click on the Table of Contents to open the menu so you can jump to a specific lesson page.


Numbers are all around us. They serve very different purposes depending on how they are used. A number is a mathematical object used to count,
measure or label.


Work through the online lessons for this section. You can work at your own pace or follow the suggested schedule below. Complete the activities in your Learning Guide as you work through the lessons. You can print the Learning Guide, or, copy out the questions on a separate piece of paper. Be sure to try the games and practice quizzes as you make your way through the online lesson book.

## Suggested Lesson Schedule

| Monday | Thursday |
| :---: | :---: |
| - Perimeter | - Word Problem \#1 |
| - Examples | - Word Problem \#2 |
| - Try Your Skills | - Word Problem \#3 |
| - LG 5.1 p.1, \#1 | - LG p. 4, \#6-7 |
| Tuesday | Friday |
| - Practice | - Word Problem \#4 |
| - LG p. 2, \#2-3 | Word Problem \#5 |
|  | - LG p. 4, \#8-9 |
| Wednesday |  |
| - Finding a Side |  |

## Unit 5 Learning Guide - Geometry

## INSTRUCTIONS:

Using a pencil, complete the following questions as you work through the related lessons. Show ALL of your work as is explained in the lessons. Do your best and always ask questions if there is anything that you don't understand.

### 5.1 PERIMETER

1. Calculate the perimeter of the following rectangles by counting or adding the number of 1 cm units around the outside of the shape. The first one has been completed for you.

Example:


$$
\text { Perimeter }=12 \mathrm{~cm}
$$

a.


Perimeter = $\qquad$
b.


Perimeter $=$ $\qquad$
C.

d.


Perimeter $=$ $\qquad$
Perimeter $=$ $\qquad$
2. Find the perimeter of each of the figures below. Be sure to show your work and include units.

3. Find the perimeter of the following using the formula:

$$
P=2 L+2 W
$$


4. Use a ruler to draw all possible rectangles with a perimeter of 18 cm . Label each rectangle's dimensions (length and width). Use only whole numbers. Each square is 1 cm . Hint: there are 4 different rectangles. The first one has been completed for you.

|  |  |  | $8 \mathbf{c m}$ |  |  |  |  |  |  |  |  |  |  |  |  |
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| $\mathbf{1} \mathbf{c m}$ |  |  | $\boldsymbol{P}=\mathbf{1 8} \mathbf{c m}$ |  |  |  | $\mathbf{1} \mathbf{c m}$ |  |  |  |  |  |  |  |  |
|  |  |  | $8 \mathbf{8 c m}$ |  |  |  |  |  |  |  |  |  |  |  |  |
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5. Find the length of the unknown side in each of the following:

6. Isabella is making a display board for the school trip. The display board is a 3 m by 2 m rectangle. She needs to add a ribbon border around the entire display board. What is the length of ribbon that she needs? Remember the three steps to solve the problem.
7. Before soccer practice, Laura warms up by jogging around the soccer field that is 80 metres by 120 metres. How many metres does she jog if she goes around the field two times?
8. A rectangular field has a perimeter of 78 m . If the length of the field is 20 m , what is it's width?
9. Farmer Carlos has a new pig addition to his farm. He needs to add on to his old pig pen. The old square shaped pen had a perimeter of 44 feet. Farmer Carlos added enough to make a rectangle with a perimeter of 54 feet. If he wants to keep the width the same, what will be the length of his new pen?
