

Unit 13 - Chapter 13: Algebra: Perimeter and Area

Content Area: **Mathematics**
Course(s): **Math 4**
Time Period: **May**
Length: **2 weeks**
Status: **Published**

Unit Summary

In this unit, students will use addition and multiplication formulas to find the areas and perimeters of rectangles. They will also use what they know about area and perimeter to find the unknown measure of a rectangle by using our problem solving skills. By drawing models, students are able to visualize the figures.

Standards

MA.4.OA.A.3	Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.
TECH.8.1.5	Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.
TECH.8.1.5.A.CS2	Select and use applications effectively and productively.

Student Learning Objectives

Students will learn to:

- use a formula to find the perimeter of a rectangle.
- use a formula to find the area of a rectangle.
- find the area of combined rectangles.
- find unknown measure of a side of a rectangle.
- use the strategy *solve a simpler problem* to solve area word problems.

Essential Questions

- How can you use a formula to find the perimeter of a rectangle?
- How can you use a formula to find the area of a rectangle?
- How can you find the area of combined rectangles?
- How can you find an unknown measure of a rectangle given its area or perimeter?
- How can you use the strategy *solve a simpler problem* to solve area problems?

Enduring Understanding

Students understand that:

- formulas can be used to find area and perimeter.
- we can find an unknown measure of a rectangle.

Application

Students will be able to independently use their learning to:

- use a formula to find the perimeter of a rectangle.
- use a formula to find the area of a rectangle.
- find the area of combined rectangles.
- find the unknown measure of a side of a rectangle.
- use the strategy *solve a simpler problem* to solve area word problems.

Skills

Students will be skilled at:

- using formulas to find area and perimeter.
- finding the area of combined rectangles.
- finding the unknown measure of a rectangle.
- solving word problems to find area