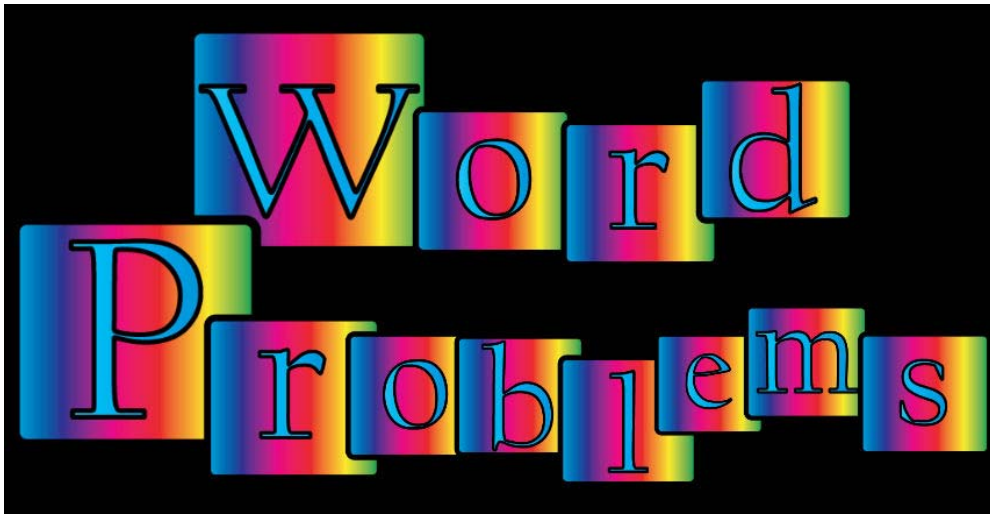


MORE ON AREA AND PERIMETER



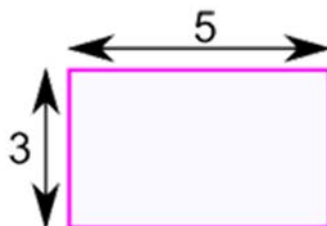
Unit Overview

In this unit, you will solve word problems involving area and perimeters of polygons. You will also create figures with a given area.

Area

The formula to find the area of a polygon is width times height.

For example: What is the area of this rectangle?



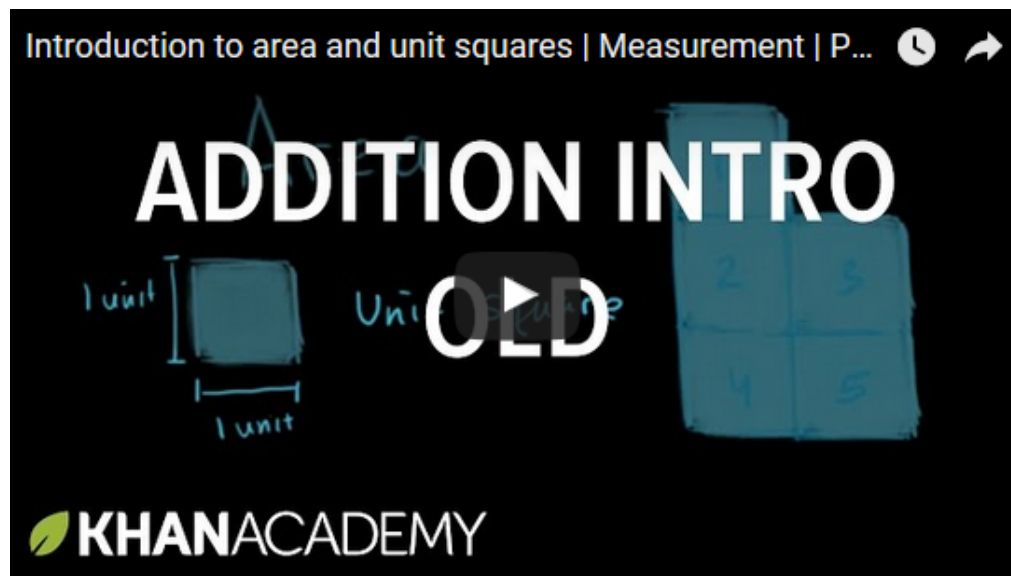
The formula is:

$$\begin{aligned} \text{Area} &= w \times h \\ w &= \text{width} \\ h &= \text{height} \end{aligned}$$

The width is 5, and the height is 3, so we know $w = 5$ and $h = 3$.

$$\text{Area} = 5 \times 3 = 15$$

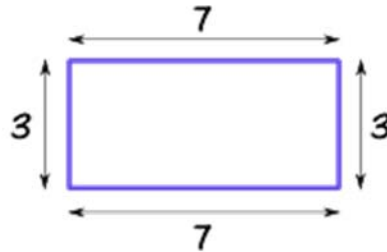
Click on the link to watch the video "[Intro to area and unit squares](#)" or click on the video to learn how to cover figures with square units to find their area.



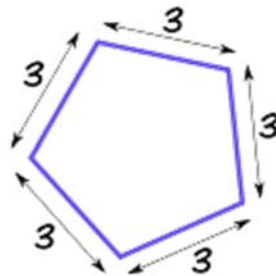
Perimeter

The formula is the distance around a two-dimensional shape.

For Example: The perimeter of this rectangle is $7 + 3 + 7 + 3 = 20$.



The perimeter of this regular pentagon is $3 + 3 + 3 + 3 + 3 = 5 \times 3 = 15$.



Click on the link to watch the video "[Perimeter: introduction](#)" or click on the video to learn how to find the perimeter by adding up the side lengths of various shapes.



Perimeter Word Problems

Click on the link to watch the video "[Perimeter word problem \(skating rink\)](#)" or click on the video to learn about solving a word problem.

