

Measurement: Perimeter and Area (triangles and parallelograms)

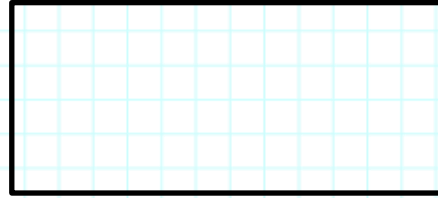
Perimeter: The distance around a figure. Perimeter is **one-dimensional**.

Area: The amount of space taken up by a figure. Area is **two-dimensional**.

Rectangle:

$$P = 2l + 2w$$

$$A = lw \quad \text{or} \quad A = bh$$

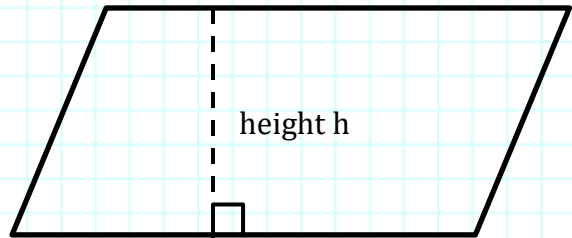


length l or base b

width w or
height h

Parallelogram: $P = \text{sum of side lengths}$

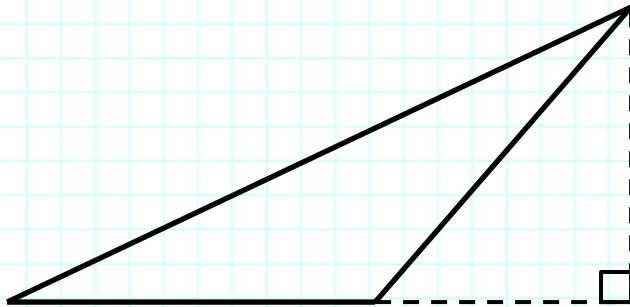
$$A = bh$$



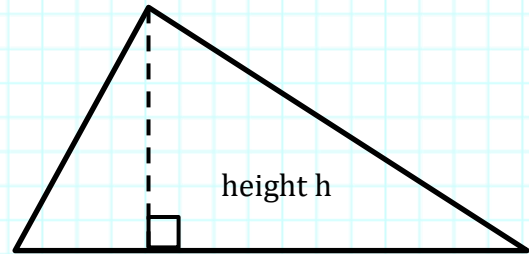
base b

Triangle: $P = \text{sum of side lengths}$

$$A = \frac{1}{2}bh$$



base b

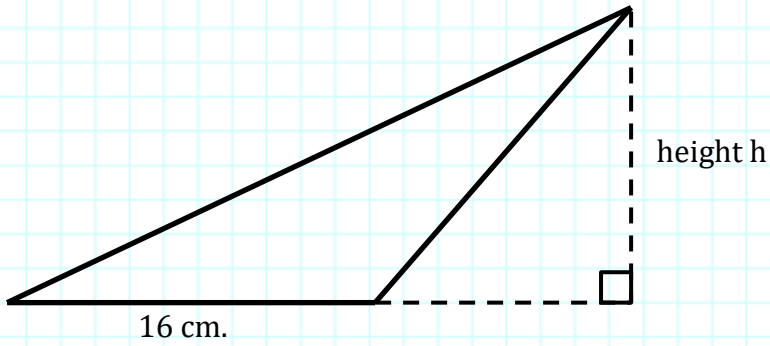
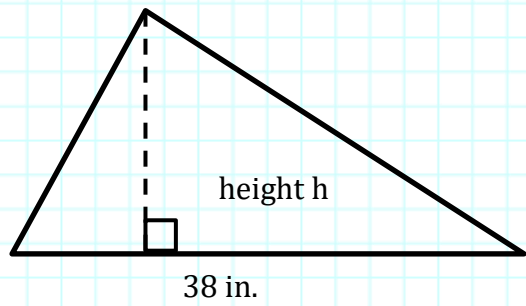


base b

Sum of angles of any triangle:

Sum of angles of any quadrilateral:

This triangle's height is half of its base.
What is the area?



This triangle's area is 144 cm^2 .
What is its height?

The base of this triangle is $2\frac{1}{2}$ times its
height. What is the base's length?

