

Lesson 2

Page 696 - 675

Area of Triangles

Key Concept

Work Zone

Area of a Triangle

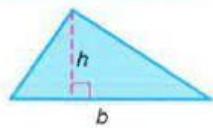
Words

The area A of a triangle is one half the product of the base b and its height h .

Symbols

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

Model

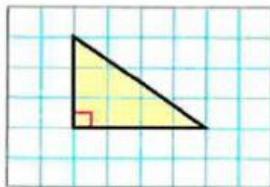


Guided Practice



Find the area of each triangle. (Examples 1 and 2)

1.

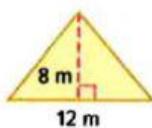


$$\text{Area} = \frac{1}{2} \times b \times h$$

$$\text{Area} = \frac{1}{2} \times \quad \times$$

= square units

2.

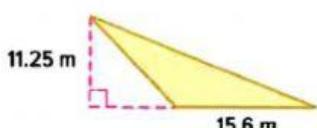


$$\text{Area} = \frac{1}{2} \times b \times h$$

$$\text{Area} = \frac{1}{2} \times \quad \times$$

= m²

3.

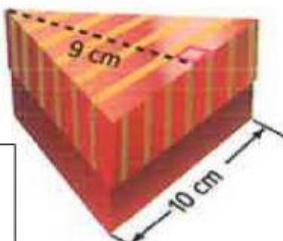


$$\text{Area} = \frac{1}{2} \times b \times h$$

$$\text{Area} = \frac{1}{2} \times \quad \times$$

= m²

5. Nabila made a triangular paper box as shown. What is the area of the top of the box? (Example 4)



$$\text{Area} = \frac{1}{2} \times b \times h$$

$$\text{Area} = \frac{1}{2} \times \quad \times = \text{cm}^2$$