

Name : _____

Geometry

Lesson 2

Page 696 - 675

Area of Triangles

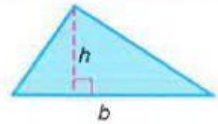
Key Concept

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

Model



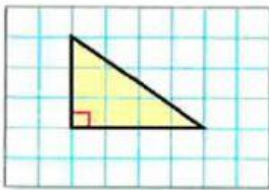
Work Zone

Guided Practice



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

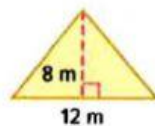
1.



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

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

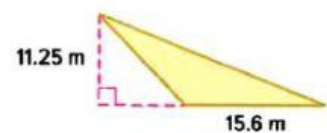
2.



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

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

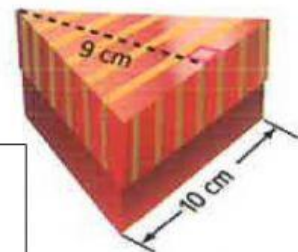
3.



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

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

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



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

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