

1.2A Guided Notes

Area of Triangles

Name: _____

You May Need to Review of some Algebra Topics

- Distribution
- Factoring of GCF

Review

Distribution

$$a(b + c) = ab + ac$$

Example:

1) $4(10 + 7) =$

2) $\frac{1}{2}(50 + 8) =$

3) $5(3x + 1) =$

Factoring Out GCF (Un-distribution)

$$ab + ac = a(b + c)$$

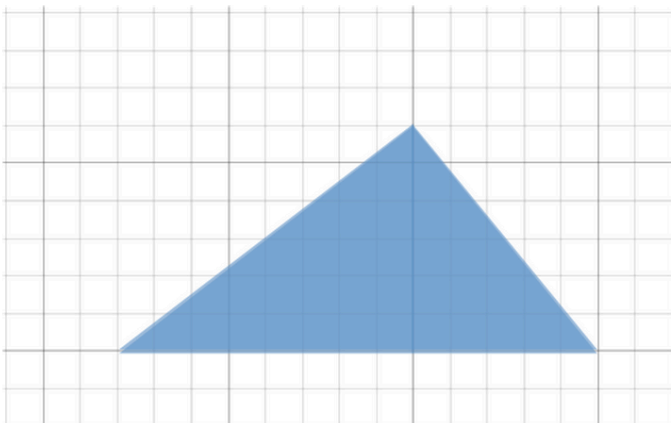
Example:

1) $36 + 12 =$

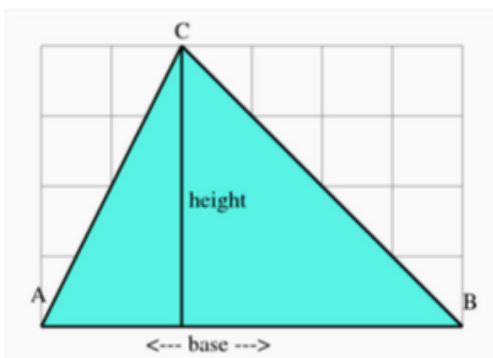
2) $\frac{1}{2} + \frac{5}{2} =$

3) $14x + 21 =$

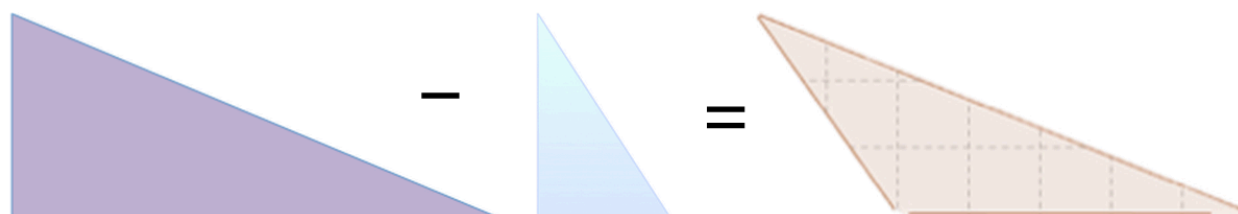
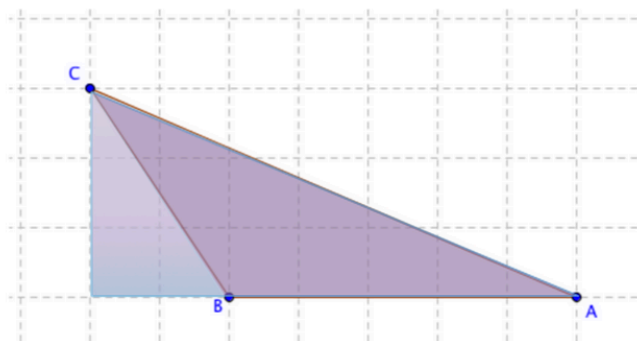
Discussion: Area of a triangle



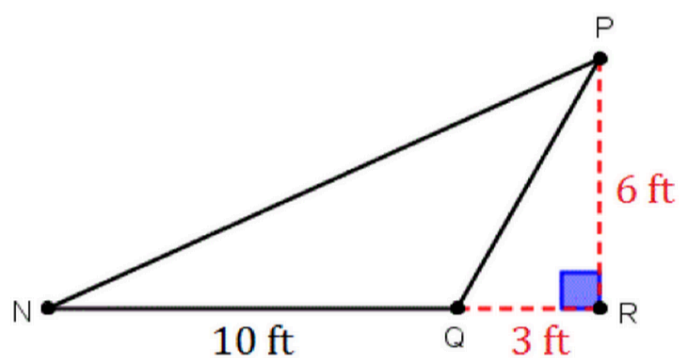
Area of a Triangle



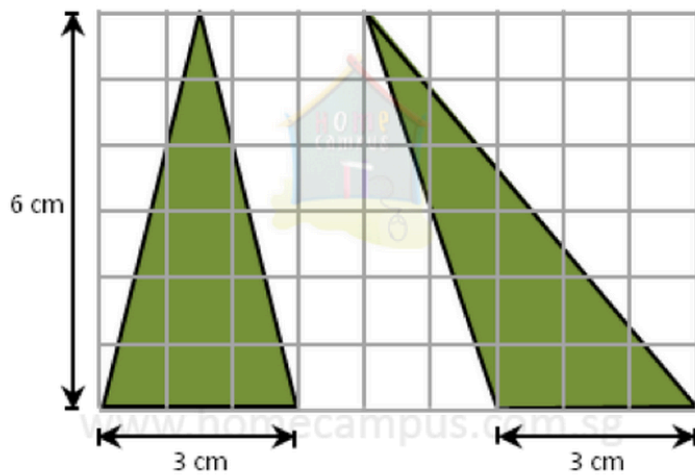
Discussion: Area of a triangle



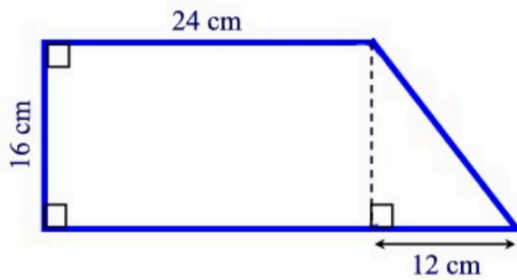
Area of a Triangle



Area of a Triangle

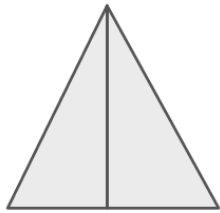


Find the Area.



Find the area of the isosceles triangle with side lengths 10 meters, 13 meters, and 13 meters.

Find the area of the isosceles triangle with side lengths 10 meters, 13 meters, and 13 meters.



A yield sign has the dimensions given in the diagram. How many square inches of material are needed to make the sign? Round answer to the *nearest tenth of a square inch*.

