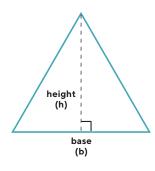




The area of a triangle is one-half the length of the base times the height. The base of a triangle can be any one of its sides. The height is the distance from a base to its opposite point, or vertex. A base must be perpendicular to the height.

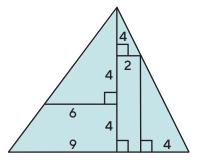


Area of a triangle:

$$\frac{1}{2}$$
 × base × height

DIRECTIONS: Use the formula for the area of a triangle as shown above to calculate the area for the following triangles in square units. Show your work in the right column.

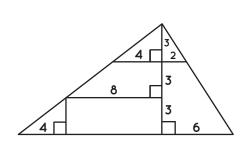
EXAMPLE:



EXAMPLE:

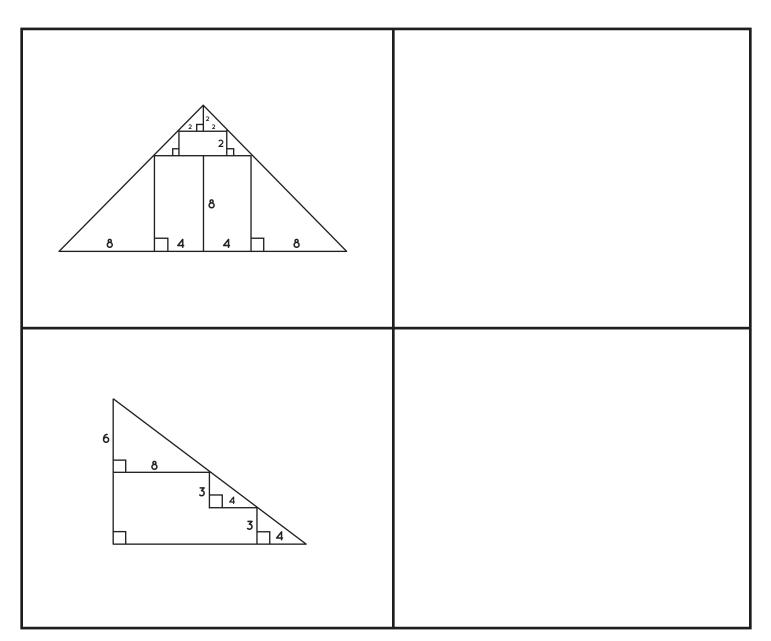
base =
$$9 + 2 + 4 = 15$$

$$area = \frac{1}{2} \times 15 \times 12$$









Challenge!

Look at the last triangle. Without doing the math, explain how you would find the area of that triangle a different way.