Name _____   Date _____

Finding the Area of Odd Shapes - Guided Lesson Explanation

Explanation#1

Step 1) We all know that the area of a triangle is:

$$\text{Area} = \frac{1}{2} \times \text{base} \times \text{height}$$

Step 2) First we have to find the base and height of the triangle.

Base: 6 mm   Height: 6 mm

Step 3) Now we should use the numbers in the formula.

$$\text{Area} = \frac{1}{2} \times \text{base} \times \text{height}$$

$$= \frac{1}{2} \times 6 \times 6 = 18$$

Step 5) Now we will find the units. The lengths are measured in millimeters, so the area is measured in square millimeters.

The area is 18 square millimeters.

Explanation#2

Step 1) First we have to start with rectangle A. Rectangle A is 45 inches tall and 27 inches wide. We have to multiply;

$45 \times 27 = 1215$

The area of rectangle A is 1215 in^2.

Step 2) Now we should move to rectangle B. Rectangle B is 33 inches wide and 23 inches tall. We have to multiply;

$33 \times 23 = 759$

The area of rectangle B is 759 in^2.

Step 3) We will add the areas of the two rectangles.

1215 in^2 + 759 in^2 = 1974 in^2

So, the area is 1974 square inches.

Explanation#3

Step 1) First we have to see what is being asked.

"What is the area of this triangle?"

Step 2) We all know that the area of a triangle is:

$$\text{Area} = \frac{1}{2} \times \text{base} \times \text{height}$$

Step 3) First we have to find the base and height of the triangle.

Base: 7 mm

Height: 7 mm

Step 4) Now we should use the numbers in the formula.

$$\text{Area} = \frac{1}{2} \times \text{base} \times \text{height}$$

$$= \frac{1}{2} \times 7 \times 7 = 24.5$$

Step 5) Now we will find the units. The lengths are measured in millimeters, so the area is measured in square millimeters.

The area is 24.5 square millimeters.