

Name _____

Date _____

Simple Area of a Rectangle Guided Lesson Explanation

Explanation to #1

Step 1) First we look to see what is being asked of us.

"Find the area of this room?"



Step 2) Area of a rectangle:

$$\text{Area} = \text{base} \times \text{height}$$

We have to find the base and height of this room.

base: 8 m

height: 12 m

Now we use these numbers in the formula.

$$\text{Area} = \text{base} \times \text{height}$$

$$= 8 \times 12$$

$$= 96$$

Now find the units. The lengths are measured in meters, so the area is measured in square meters.

The area of the room is 96 square metres.



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Explanation to #2

Step 1) First we look to see what is being asked of us.

"Find the area of the field?"



Step 2) Area of a rectangle:

$$\text{Area} = \text{length} \times \text{width}$$

We have to find the base and height of this field.

length: 20 ft

width : 5 ft

Now we use these numbers in the formula.

$$\text{Area} = \text{width} \times \text{length}$$

$$= 20 \times 5$$

$$= 100$$

Now find the units. The lengths are measured in feet, so the area is measured in square feet.

The area of the field is 100 square feet.



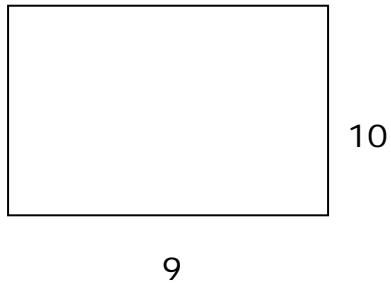
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Explanation to #3

Step 1) First we look to see what is being asked of us.

"Find the area of the hall?"



Step 2) Area of a rectangle:

$$\text{Area} = \text{base} \times \text{height}$$

We have to find the base and height of the hall.

base: 9 m

height: 10 m

Now we use these numbers in the formula.

$$\text{Area} = \text{base} \times \text{height}$$

$$= 9 \times 10$$

$$= 90$$

Now find the units. The lengths are measured in meters, so the area is measured in square meters.

The area of the hall is 90 square meters.

