

Name: Class:

Area of a rectangle word problems

1. Mr. Adam hired an architect to renovate his front yard. If the rectangular yard is 30 feet long and 20 feet wide, what is the area of the yard?



2. Yesterday, Peter bought a LED TV. If the LED TV screen is 32 inches long and 24 inches wide, what will be the area of the LED TV screen?

3. Last week, Nancy made a decorative photo frame of size 3 by 8 feet. Determine the area of the photo frame.

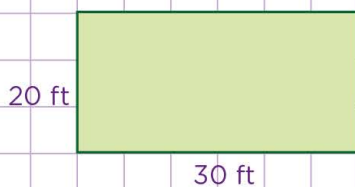


Name: Class:

Area of a rectangle word problems

1. Mr. Adam hired an architect to renovate his front yard. If the rectangular yard is 30 feet long and 20 feet wide, what is the area of the yard?

Let's imagine and draw the rectangular yard.



Now, find the area of the yard.

$$\text{Length} = 30 \text{ ft}$$

$$\text{Width} = 20 \text{ ft}$$

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

$$= 30 \text{ ft} \times 20 \text{ ft}$$

$$= 600 \text{ ft}^2$$

So, the area of the yard is 600 square feet.



2. Yesterday, Peter bought a LED TV. If the LED TV screen is 32 inches long and 24 inches wide, what will be the area of the LED TV screen?

Let's imagine and draw the LED TV screen



Now, find the area.

$$\text{Length} = 32 \text{ in}$$

$$\text{Width} = 24 \text{ in}$$

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

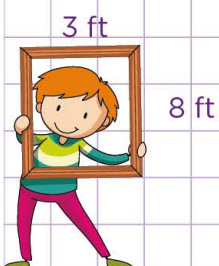
$$= 32 \text{ in} \times 24 \text{ in}$$

$$= 768 \text{ in}^2$$

So, the area of the LED TV screen is 768 square inches.

3. Last week, Nancy made a decorative photo frame of size 3 by 8 feet. Determine the area of the photo frame.

Let's imagine and draw the frame photo.



Now, find the area.

$$\text{Length} = 3 \text{ ft}$$

$$\text{Width} = 8 \text{ ft}$$

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

$$= 3 \text{ ft} \times 8 \text{ ft} = 24 \text{ ft}^2$$

So, the area of the photo frame = 24 square feet.