

Name: Class:

Area and perimeter: word problems

1. Maud wants to measure the area of his shop. She measured the length and width of his shop floor to be 13.2 m and 10.7 m respectively. What is the area of the shop?



2. John has a rectangular wooden box that he keeps his carpentry tools. The length and width of the wooden box is 30 inches and 15 inches respectively. What is the perimeter of the wooden box?



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1. Maud wants to measure the area of his shop. She measured the length and width of his shop floor to be 13.2 m and 10.7 m respectively. What is the area of the shop?

Length of floor = 13.2 m

Width of the floor = 10.7 m

Now, let's find the area of the rectangular shop

Area = length x width

$$= (13.2 \times 10.7)\text{m}$$

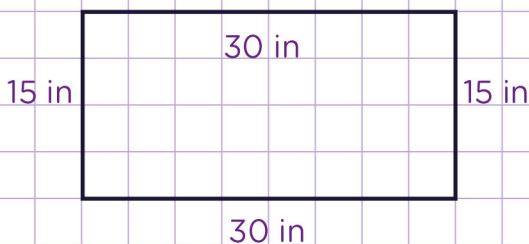
$$= 141.24 \text{ m}^2$$

So, the area of the shop is 141.24 m²



2. John has a rectangular wooden box that he keeps his carpentry tools. The length and width of the wooden box is 30 inches and 15 inches respectively. What is the perimeter of the wooden box?

Let's first of all write down the information given.



Length = 30 in

Width = 15 in

Now, let's find the perimeter of the wooden box.

Perimeter = sum of all the side lengths.

$$(30 + 30 + 15 + 15)\text{in} = 90 \text{ in}$$

So, the perimeter of the wooden box is 90 inches

