

The width of a rectangle is $\frac{1}{2}$ of its length. What are the sides of the rectangle if its perimeter is 63 in.? Answer:

The width is _

in, the length is

in_

The length of the given rectangular is 21 inches while the width is 10.5 inches.

What is a rectangle?

A rectangle is a geometrical figure in which opposite sides are equal.

The angle between any two consecutive sides will be 90 degrees.

Area of rectangle = length \times width.

Perimeter of rectangle = $2(\text{length} + \text{width})$.

Let's say the length of a rectangle is L while the width is W

So,

$$\text{Perimeter } 2(L + W) = 63$$

And,

$$W = \frac{1}{2} L$$

By substitution,

$$2(2W + W) = 63$$

$$6W = 63$$

$$W = 10.5 \text{ inches.}$$

And,

$$L = 2(10.5) = 21 \text{ inches.}$$

Hence "The length of the given rectangular is 21 inches while the width is 10.5 inches".

For more about rectangles,

brainly.com/question/15019502

#SPJ2

Answer:

Width is 10 1/2 inches and the length = 21 inches.

Step-by-step explanation:

Let the width be x then the length is $2x$ inches.

$$\text{Perimeter} = 2x + 2(2x) = 63$$

$$6x = 63$$

$$x = 10 \frac{1}{2} \text{ inches.}$$

Ken makes a monthly income of \$3000 after taxes. Every month, he spends 40% of his income on clothing. How much money does Ken spend on new clothes every month?

How does the poem "if we must die" by Claude McKay talk about race?

The equation to calculate density is $D = m/v$. For a liquid substance, which item increases as heat is applied?

If you receive a 1 on the ideas and content rubric, it may mean that a. The writing is exceptionally clear, focused and interesting. c. The writing is characterized by main ideas that stand out. b. The writing lacks a central idea or purpose. d. The writing holds the reader's attention throughout.

A roller coaster car is traveling down a track at 22 m/s. The car has a mass of 2000 kg. What is the Kinetic energy of the car? A) 22,000 J

B) 968,000 J

C) 484,000 J

D) 44,000 J

Can the sum of the magnitudes of two vectors ever be equal to the magnitude of the sum of the same two vectors? If no, why not? If yes, when? Yes, if the two vectors are perpendicular. No, because of the angle between the two vectors. Yes, if one of the vectors is zero. Yes, if the two vectors are in the same direction. No, it is impossible for the magnitude of the sum to be equal to the sum of the magnitudes.

Help! Halfway there. Two square pyramids have the same volume. For the first pyramid, the side length of the base is 16 in and the height is 28. On the 2nd pyramid the height is 112. What is the side length of the base of the 2nd pyramid?,

Cary is 5 years older than Dan. In 5 years the sum of their ages will be 81. Find the age of each man now.

A running track is 0.25 miles around. If a runner runs 6 laps around the track how many feet has he run

7.849 million in number form

The construction of the Glen Canyon Dam formed which body of water?

Why did the U.S. government move Indians onto reservations?

When constructing an inscribed square, how many lines will be drawn in the circle? 2

5

7

Kasia plants her watermelons in rows. Her watermelon field has a perimeter of $71 \frac{1}{3}$ yards and is 44 feet wide. The rows will be planted $2 \frac{2}{3}$ yards apart. How many rows of watermelons can she plant

Why is the epa considered to be one of the most powerful bureaucracies?

People who buy stock in company are know as

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How did King David make his sling and of what material

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