

Name _____

Date _____

Real Life Middle School Math Word Problems - Guided Lesson Explanation

Explanation#1

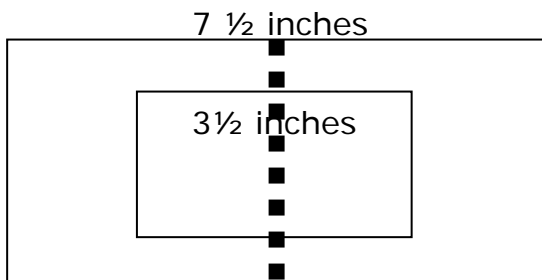
Julia gets \$36 an hour. She gets a 10% raise.

$36 \times 10\% = 3.6$ She gets \$3.60 more per hour.

So she gets an extra $40 \times 3.60 = \$144$ Answer is: \$144

Explanation#2

The table's size is $7 \frac{1}{2}$ inches and the mat is $3 \frac{1}{2}$ inches long.

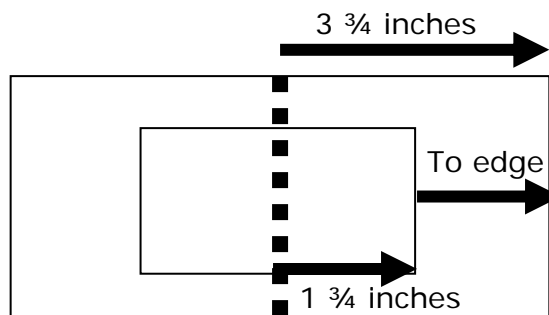


That means that the distance to the center of the table is $\frac{1}{2}$ of $7 \frac{1}{2}$ inches:

$\frac{1}{2}$ of $7 \frac{1}{2} = 3 \frac{3}{4}$ inches.

The length of half of the mat is = $\frac{1}{2}$ of $3 \frac{1}{2}$

$\frac{1}{2}$ of $3 \frac{1}{2} = 1 \frac{3}{4}$ inches. Let's revisit our drawing:



The difference between those lengths is the distance to the edge.

$3 \frac{3}{4}$ inches - $1 \frac{3}{4}$ inches = 2 inches



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Explanation#3

Step 1) Get everything in the same format so that you can find the highest value.

Step 2) Barry's result in % is

$$\frac{12}{30} \times 100 = 40\%$$

Ethan's result in % is

36%

Step 3) So 40% (Barry) is the highest value.

