

Converting Measures of Length - Guided Lesson Explanation**Explanation#1**

Step 1) Yards are much larger than feet. We need to first determine the numbers of feet in a yard. There are 3 feet in a yard.

Step 2) This means that 1 feet = 0.333 yards. We can simply multiply the number of feet we have by 0.333 to convert to yards.

Step 3) $64 \times 0.333 =$

When we calculate $64 \text{ ft} = 21.33 \text{ yd}$. That means 21 yd.

We have 0.33 yd that we need to convert to feet. We can do that by multiplying by 3. $0.33 \text{ yards} = (0.33) \text{ yards} \times 3 \text{ ft/yard} = 0.99 \text{ feet}$

Step 4) Now, we get: $64 \text{ ft} = 21 \text{ yd } 0.99 \text{ ft}$

Explanation#2

Step 1) 1 centimeter = .01 meters

Step 2) $\frac{1 \text{ cm}}{348 \text{ cm}} = \frac{0.01 \text{ m}}{x \text{ meters}}$

Step 3) When we calculate $348 \text{ cm} = 3.48 \text{ m}$. That means 3 meters.

$48 \text{ m} = 48 \text{ cm}$

We get: $348 \text{ cm} = 3 \text{ m } 48 \text{ cm}$

Explanation#3

Step 1) When we calculate we will use the conversion 1 foot = 12 inches.

Step 2) $\frac{1 \text{ foot}}{2 \text{ feet}} = \frac{12 \text{ inches}}{x \text{ inches}}$

$24 \text{ inches} = x$ That means: $x = 24 \text{ in} + 3 \text{ in}$

So, the answer is: 27 in.

