

## Part 2-6 → Conversions

Here, we change from one unit of measure to another: feet → inches  
minutes → hours

Keys! → These are unit rate problems  
→ order matters when setting up ratios  
→ cross multiply & divide!

Question: A board is 90 inches long.  
12 inches are in one foot.  
How many feet is the board?

$\frac{\text{inches}}{\text{feet}}$

$$\frac{12}{1} = \frac{90}{x}$$

Use calculator!

$$1 \times 90 \div 12 = 7.5$$

Answer: The board is 7.5 feet long