

## Proportions Quiz: Answers posted on my website!

State whether each set of ratios is "proportional" or "not proportional" and show why or why not.

Solve the following for the value that will make the two ratios a proportion. Show your work.

1.  $\frac{3.2}{5.6}, \frac{24}{40}$

2.  $\frac{16}{7}, \frac{13}{4}$

3.  $\frac{27}{x} = \frac{6}{20}$

4.  $\frac{22}{35} = \frac{y}{21}$

$3.2 \div 5.6 = .5714...$   
 $24 \div 40 = .6$  **NO**

SHOW WORK!  
 $16 \div 7 = 2.2857...$   
 $13 \div 4 = 3.25$  **NO**

**x=90**

**y=13.2**

Set up a proportion and solve. (Don't forget to label your answer)

5. You put 5 gallons of gas in your car for \$12.40  
How much would it cost for 13 gallons?

$\frac{5 \text{ gal}}{\$12.40} = \frac{13 \text{ gal}}{x}$

**x=\$32.24**

STAMP: