

NON-GRADED RATIO/PROP/PERCENT SELF-ASSESSMENT

(1) Write the ratio comparing 3 boys to 6 girls in three ways.

(2) Change the ratio 6:7 so that it is equivalent to 54:_____.

(3) Solve the following proportions:

(a) $\frac{x}{10} = \frac{1}{2}$

(b) $\frac{16}{9} = \frac{192}{x}$

(c) $\frac{3 \text{ liters}}{x} = \frac{10 \text{ liters}}{160 \text{ square meters}}$

(4) 15 percent of 70 is what number?

(5) What percent of 60 is 42?

(6) 70 percent of what number is 85?

(7) Solve:

(a) A price increases from \$50 to \$65. What is the percent of increase?

(b) A price decreases from \$35 to \$28. What is the percent of decrease?

(8) Complete the chart:

Decimal	Percentage	Fraction
0.46		
	12.2%	
		$\frac{5}{8}$

(9) Jorge is standing next to a tree. Jorge is 6-feet tall but his shadow is only 5 feet long. The tree's shadow is 14 feet long. How tall is the tree?

(10) If Jolene can type 18 pages in 3 hours, how long will it take her to type 45 pages?

(11) There are 3 rest stops for every 25 miles of highway. How many rest stops would there be on 220 miles of highway?

(12) Jolene is a real estate broker. She earns a 6% commission when she sells a home. What is her commission on a home that she sold for \$295,500?