

Study Guide – Quiz on First Part Chapter 3

Name: _____
Date: _____
Color: _____

Show all of your work to answer each problem below. Be sure and include labels for the word problems. Box your answers.

1. Complete the table below with the appropriate values. Simplify your fractions and include appropriate labels.

Fraction	Decimal	Percent
$\frac{3}{5}$		
		135%
	0.047	
		$22.\overline{2}\%$
$\frac{7}{8}$		
	0.16	
$\frac{5}{11}$		
		0.3%
	$4.\overline{3}$	
		5%

2. A group of boys split up a pile of 140 colored pencils. Zack took .15 of them. Jack took 10%. Mack took $\frac{3}{5}$. Simon got the rest. How many did Simon get?
3. Megan was making trail mix. She mixed peanuts, raisins, and pretzels together in the ratio 3:2:5. What percent of her mix are the raisins?

4. Adam and Jill played basketball. The ratio of their scores was 5:7. The total of their scores was 72 points. How many points did Jill score?

5. Katherine was out to dinner with some friends. The meal for the group cost \$95. They decided to leave an 18% tip. How much did they have to pay for the meal and tip together?

6. Rewrite each of the following problems vertically and find the sum or difference.

a. $\frac{3}{5} + \frac{1}{2} + \frac{1}{4} =$

b. $16 - 7\frac{4}{19} =$

c. $2\frac{3}{4} + 10\frac{4}{9} =$

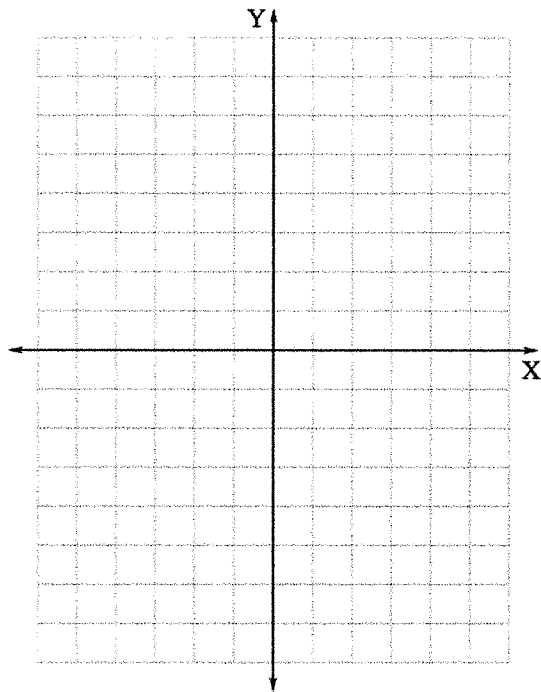
d. $9\frac{2}{3} - 2\frac{1}{8} =$

e. $\frac{4}{9} + 6\frac{1}{5} + 1\frac{2}{3} =$

f. $100\frac{3}{8} - 22\frac{7}{12} =$

7. Use the coordinate grid below to 1) label the quadrants; 2) scale the axes; and 3) plot and label the following points:

A(1, 6); B(-4, 5); C(0, 2); D(3, -2); E(-1, -5); F(-2, 0)



8. Complete the following division problems. Show your work.

a. $\frac{222}{11}$

b. $\frac{.27}{5}$

c. $\frac{5009}{8}$

d. $\frac{4.75}{20}$