

- C. Round the following numbers to the indicated position. (Remember, when you round you must look at the digit immediately TO THE RIGHT of the indicated position.)

(12) 0.7649 to the **tenth** _____

(13) -9.0965 to the **hundredth** _____

(14) 365,987.092 to the **ones** _____

(15) 5.999999 to the **thousandth** _____

- D. Compare these sets of numbers using $<$, $>$, or $=$. (Multiple Choice)

(16) $\frac{1}{4}$ _____ 0.3

(17) 0.77 _____ $\frac{7}{9}$

A. $<$ (less than)

B. $>$ (greater than)

C. $=$ (equal)

- E. Add, subtract, multiply, or divide these numbers as indicated. (Pay close attention to negative signs). **Round to the nearest hundredth, if necessary.** Enter with 2 decimal place values. NO CALCULATORS

(18) $8.03 - 2.5$

(19) $3.02 \div 0.8$

(20) $-0.96 \cdot 0.04$

(21) $-1.6 - 0.59$

(22) $10.8 - 7.912$

(23) $31.597 \div 1.9$

- F. Fill in the table by converting to and from fractions, decimals and percents. (Round to nearest whole percent).

	FRACTIONS (enter as simplified fraction)	DECIMALS (enter with 2 decimal place values)	PERCENTS (round to whole percents)
a.	4/5		
b.			90%
c.		0.04	
d.			8.5%
e.		0.875	

- G. Express each ratio as a fraction in reduced form. (enter as a fraction)
 (34) 60: 40 (35) 25 out of 40

- H. Solve each proportion. (The cross products are equal) Calculators ok.

Example: $\frac{33}{75} = \frac{x}{100}$: $33 \cdot 100 = 75x$: $x = 44$

(36) $\frac{40}{24} = \frac{75}{x}$

(37) $\frac{25}{6} = \frac{80}{x}$

- I. Express these rates as unit rates. (*A unit rate compares a number to one.*) Express these ratios in fraction form and then reduce them until the denominator is one. Calculators ok

Example: 200 miles in 4 hours: $\frac{200}{4}$ miles per hour: 50 mph

(38) 456 heartbeats in 3 minutes
 _____ heartbeats in 1 minute

(39) 449.5 miles per 14.5 gallons
 _____ miles per 1 gallon

J. Solve these percent problems using proportions or a strategy of your choosing.

Example: 95 is what percent of 200?

Notes will go here

(40) What percent is 6 of 24?

(41) 150 is 250% of what number?

(42) 45 is 90% of what number?

(43) What is 120% of 20?