Center #1 – Order the numbers from least to greatest.

1.
$$\frac{36}{45}$$
, 0.83, 81%

2.
$$\frac{9}{4}$$
, 220%, 2.152

3. 0.67, 66%, $\frac{2}{3}$

4. 0.88, $\frac{7}{8}$, 90%

Center #2 – Write and solve using a proportion or equation.

- 1. What percent of 60 is 18?
- 2. 40 is what percent of 32?

- 3. What number is 70% of 70?
- 4. 91 is 130% of what number?

Center #3 – Find the percent increase or decrease. Round to the nearest whole percent if necessary.

1. 27 to 36

2. 30 to 22

3. $\frac{2}{5}$ to 1

4. A bag of gummy bears is supposed to be 14 ounces but allows up to a 3% error. Find the least and greatest acceptable weights of a bag of gummy bears.

Center #4 – Find the sale price or original price.						
1.	Original price: \$50 Discount: 15% Sale price: ?	2.	Original price: ? Discount: 20% Sale price: \$75	3.	Original price: \$125 Discount: ? Sale price: \$81.25	
Center #5 – The account earns simple interest. Find the missing value.						
	1. Interest earned: ? Principal: \$2000		2. Interest earned: \$13.75 Principal: ?		3. Interest earned: \$112.50 Principal: \$1250	
Interest Rate: 3.5% Time: 4 years		Interest rate: 5% Time: 6 months		Interest rate: ?% Time: 3 years		
	c. 4 yeurs	Time	2. O Months	71111	z. 3 years	
Center#6						
1. 15% of the cars in the parking lot are blue. If there are 18 blue cars, how many total cars are in the parking lot?						
2. You deposit \$7850 in an account earning 2% simple interest. How long will it take for the balance of the account to be \$8085.50?						
3. A store buys a pair of jeans for \$30 and marks it up 35%. The following week it sells the jeans at a 25% discount. How much are the jeans after the discount?						

Center #1 – Order the numbers from least to greatest.

1.
$$\frac{36}{45}$$
, 0.83, 81%

2.
$$\frac{9}{4}$$
, 220%, 2.152

3. 0.67, 66%,
$$\frac{2}{3}$$
 0.67 66%, $\frac{2}{3}$ 0.67

4.
$$0.88, \frac{7}{8}, 90\%$$
 0.875
 $\frac{7}{8}, 0.88, 90\%$

Center #2 – Write and solve using a proportion or equation.

$$\begin{array}{r}
 \times \cdot |_{60} = 18 \\
 \hline
 |_{60} = 60 \\
 \times = 0.3 \\
 \hline
 |_{309}
 \end{array}$$

$$\frac{40}{32} = \frac{\times .3/2}{3/2}$$
 $\times = 1.25$
 125%

$$n = 0.7 \times 70$$
 $n = 49$

$$\frac{91}{1.3} = \frac{1.3 \cdot x}{1.3}$$
 $x = 70$

Center #3 – Find the percent increase or decrease. Round to the nearest whole if necessary.

$$\frac{9}{27} = 0.33$$

3.
$$\frac{2}{5}$$
 to 1

4. A bag of gummy bears is supposed to be 14 ounces but allows up to a 3% error. Find the least and greatest acceptable weights of a bag of gummy bears.

Center #4 - Find the sale price or original price.

Original price: \$50 Discount: 15%

Sale price: ?

50.0.15=7.50 50-7.50 F\$42.50

Original price: ? Discount: 20% Sale price: \$75

3. Original price: \$125

Discount: ?

Sale price: \$81.25

125-81.25=4375

43.75 - 125 = 0.35

Center #5 – The account earns simple interest. Find the missing value.

1. Interest earned: ? Principal: \$2000

Interest Rate: 3.5% Time: 4 years

2. Interest earned: \$13.75

Principal: ? Interest rate: 5% Time: 6 months

3. Interest earned: \$112.50

Principal: \$1250 Interest rate: ?% Time: 3 years

2000 x 0.035 = 70 13.75 X2 = 27.50

\$ 27.50:0.05 - 550

112.50-3=37.50 C x 1250 = 37.50

37.50-1250 = 0.03

Center#6

1. 15% of the cars in the parking lot are blue. If there are 18 blue cars, how many total cars are in the parking lot?

0.15 x C = 18 18 - 0.15 = 120 cars

2. You deposit \$7850 in an account earning 2% simple interest. How long will it take for the balance of the account to be \$8085.50? 8085,50-7850 = 235,50 (total earned)

7850 X 0.02 = 157 (carned per year)

235.5-157 = 1.5 years

3. A store buys a pair of jeans for \$30 and marks it up 35%. The following week it sells the jeans at a 25% discount. How much are the jeans after the discount?

 $30 \times 0.35 = 10.50$

30+10.50 = 40.50

40.50 x , 25 = 10.13

40.50-10.13 (\$30.37