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 i

40 is what percent of 32?

3. What number is 70% of 70?

91 is 130% of what number?

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

1. 27 to 36 2. 30 to 22 3. $\frac{2}{5}$ to 1

4.

3. You estimate that a jar contains 68 marbles. It actually has 60 marbles. Find the percent error.

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

1. Original price: \$50 Discount: 15% Sale price: ? Original price: ? Discount: 20% Sale price: \$75

2.

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 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

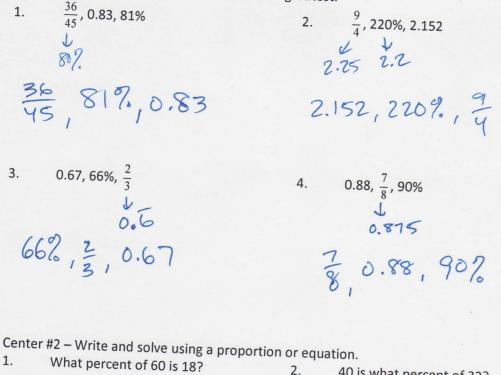
Center #6

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.



What percent of 60 is 18? $x \cdot 60 = 18$ $18 \div 60 = 0.3$ 30%What number is 70% of 70?

3.

 $n = 0.7 \cdot 70$ n = 49

40 is what percent of 32? 40=x·32 40:32=1.25 1259 91 is 130% of what number?

100-1-7 all, 11- 15all, 17-20 all, 22a, 23

91= 1.3·x 91-13 = 70

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

4.

 1.
 27 to 36
 2.
 30 to 22
 3.
 $\frac{2}{5}$ to 1

 36-27 = 9 30 - 22 = 8 $1-\frac{2}{5} = \frac{3}{5}$
 $\frac{9}{27} = 0.33$ $\frac{8}{50} = 0.266$ $\frac{3}{5} \div \frac{2}{5} \Rightarrow \frac{3}{8} \cdot \frac{2}{2} = \frac{3}{2} = [\frac{1}{2}]$

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

 $\frac{9}{27} = 0.33$ $\frac{8}{50} = 0.266$ $\frac{3}{5} \div \frac{2}{5} \Rightarrow \frac{3}{8} \cdot \frac{2}{2} = \frac{3}{2} = [\frac{1}{2}]$

 3. 33/7 2777 1507

 3. You estimate that a jar contains 68 marbles. It actually has 60 marbles. Find the percent error.

68 - 60 = 8 $\frac{8}{60} = 0.13$ 13%

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

1. Original price: \$50 Discount: 15% Sale price: ?

 $50 \cdot 0.15 = 7.50$

50-7.50 F\$42.50

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

0.8×p= 75:0.8:

Original price: \$125 Discount: ? Sale price: \$81.25

35%

3.

125-81.25=43.75 43.75-125=0.35

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

2.

- 1. Interest earned: ? Principal: \$2000 Interest Rate: 3.5% Time: 4 years
- 2. Interest earned: \$13.75 Principal: ? Interest rate: 5% Time: 6 months

2000 × 0.035 = 70 70×4=(\$280)

13.75 X2 = 27.50

0.05 × p = 27.50

\$ 27.50 - 0.05 - \$550

3. Interest earned: \$112.50 Principal: \$1250 Interest rate: ?% Time: 3 years

112.50-3=37.50

r 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? $0.15 \times C = 18$ 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 × 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? 40.50 × ,25 = 10.13 30 × 0.35 = 10.50 40.50-10.13 - \$30.3-30 + 10.50 = 40.50