

Name: \_\_\_\_\_

Ms. Napolitano

Date: \_\_\_\_\_

Percent

**Homework Day 1- (Monday) Percents**

Number Correct: \_\_\_\_\_

**Fractions, Decimals, and Percents—Round 1****Directions:** Write each number in the alternate form indicated.

1.	$\frac{20}{100}$ as a percent	
2.	$\frac{40}{100}$ as a percent	
3.	$\frac{80}{100}$ as a percent	
4.	$\frac{85}{100}$ as a percent	
5.	$\frac{95}{100}$ as a percent	
6.	$\frac{100}{100}$ as a percent	
7.	$\frac{10}{10}$ as a percent	
8.	$\frac{1}{1}$ as a percent	
9.	$\frac{1}{10}$ as a percent	
10.	$\frac{2}{10}$ as a percent	
11.	$\frac{4}{10}$ as a percent	
12.	75% as a decimal	
13.	25% as a decimal	
14.	15% as a decimal	
15.	10% as a decimal	
16.	5% as a decimal	
17.	30% as a fraction	
18.	60% as a fraction	
19.	90% as a fraction	
20.	50% as a fraction	
21.	25% as a fraction	
22.	20% as a fraction	

23.	$\frac{9}{10}$ as a percent	
24.	$\frac{9}{20}$ as a percent	
25.	$\frac{9}{25}$ as a percent	
26.	$\frac{9}{50}$ as a percent	
27.	$\frac{9}{75}$ as a percent	
28.	$\frac{18}{75}$ as a percent	
29.	$\frac{36}{75}$ as a percent	
30.	96% as a fraction	
31.	92% as a fraction	
32.	88% as a fraction	
33.	44% as a fraction	
34.	22% as a fraction	
35.	3% as a decimal	
36.	30% as a decimal	
37.	33% as a decimal	
38.	33.3% as a decimal	
39.	3.3% as a decimal	
40.	0.3% as a decimal	
41.	$\frac{1}{3}$ as a percent	
42.	$\frac{1}{9}$ as a percent	
43.	$\frac{2}{9}$ as a percent	
44.	$\frac{8}{9}$ as a percent	

Name: \_\_\_\_\_

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Date: \_\_\_\_\_

Percents

Tuesday : Part of a whole as a percent

**Homework**

**Write and solve a proportion to answer the question.**

1. 40% of 60 is what number?
2. 17 is what percent of 50?
3. 38% of what number is 57?
4. 44% of 25 is what number?
5. 52 is what percent of 50?
6. 150% of what number is 18?
7. You put 60% of your paycheck into your savings account. Your paycheck is \$235. How much money do you put in your savings account?

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Date: \_\_\_\_\_  
Percents

## Homework Days 3 and 4: Write and solve equations.

Wednesday #s 1-9. Thursday #s 10-14

**Answer the question. Explain the method you chose.**

1. 24 is what percent of 60?                      2. 8 is 40% of what number?

**Write and solve an equation to answer the question.**

3. What number is 70% of 120?                      4. 30 is what percent of 120?  
5. 112 is 56% of what number?                      6. 128 is what percent of 80?  
7. What number is 140% of 45?                      8. 15 is 6% of what number?  
9. There are 35 competitors in a marathon. Sixty percent of these finished the race in under four hours. How many competitors finished the race in under four hours?  
10. Your class is going on a field trip. Twenty-four students have turned in their permission slips so far. This is 80% of the students in the class. How many students are in the class?  
11. You take a test with 32 questions on it. You answer 24 questions correctly. What percent of the questions do you answer correctly?  
12. You have  $r$  rare coins, consisting of  $p$  pennies and  $n$  nickels.  
a.  $p$  is 20% of 190. How many pennies do you have?  
b. 190 is 200% of  $r$ . How many rare coins do you have?  
c.  $n$  is 60% of  $r$ . How many nickels do you have?  
13. The table shows the sales receipt for your purchase.  
a. The items with a "T" next to the price are subject to sales tax. What percent sales tax did you pay?  
b. Calculate the price of the top.  
c. The price you paid for the top was 60% of the original price. What was the original price of the top?

Item	Price
top	$p$
earrings	\$ 3.00 T
socks	\$ 2.00
granola bar	\$ 0.50 T
<b>Subtotal</b>	\$13.00
<b>Tax</b>	\$ 0.21
<b>Total</b>	\$13.21

**Tell whether the following statement is true or false.**  
**Explain your reasoning.**

14. 120% of a whole number is always greater than the number.