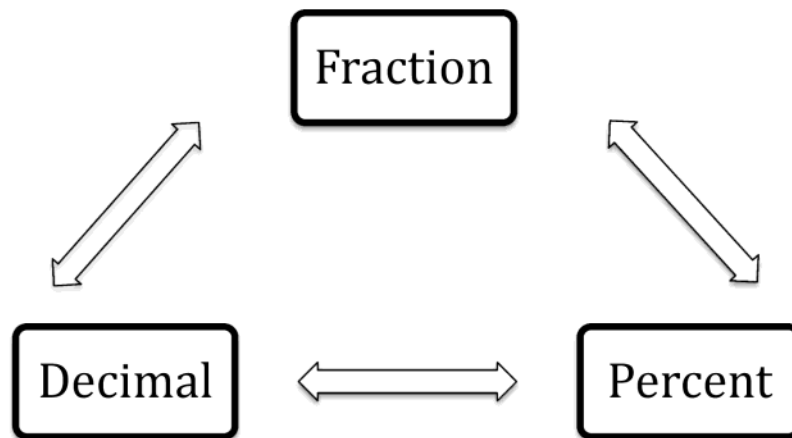


Day 1: Percent Review

Thursday, December 19, 2013 1:24 PM

AW Math 11

DAY 1 Percent Review class notes



Fraction	Decimal	Percent
$\frac{71}{200}$	0.355	35.5%
$\frac{9}{8}$	1.125	112.5%
$\frac{326}{1} = \frac{326}{100} = 3\frac{26}{100} = 3\frac{13}{50}$	3.26	326%
$\frac{32}{10000} = \frac{16}{5000} = \frac{4}{1250} = \frac{2}{625}$	0.0032	0.32%
$\frac{1.6}{1} = \frac{16}{10} = \frac{8}{5} = 1\frac{3}{5}$	1.6	160%
$\frac{35}{10000} = \frac{7}{2000}$	0.0035	0.35%
$\frac{255}{1000} = \frac{51}{200}$	0.255	25.5%

DAY 1 *Percent Review class notes continued***EXAMPLE 1**

Sam scored 32 out of 40 on his math test. What was his percent?

$$\frac{32}{40} = 0.8 \times 100 = 80\%$$

EXAMPLE 2

On payday, Jana put \$69.87 into a savings account. She was left with \$395.91. What percent of her paycheck did she put into savings?

total: $69.87 + 395.91 = 465.78$

$$\frac{69.87}{465.78} = 0.15 \times 100\% = 15\%$$

EXAMPLE 3

Westjet allows employees to put a maximum of $18\frac{3}{4}\%$ of their pay into shares. Myriam makes \$31 524 as a flight attendant and maximizes her share contributions. How much money did Myriam put into shares for the year?

18.75%. $\frac{\div 100}{\rightarrow} 0.1875 \times 31524 = \5910.75

Ex 4 % increase in pay.

$\$9 \rightarrow \$10.50/\text{hr} \rightarrow \%$ increase

$$\frac{\$1.50}{\$9} = 0.167 \times 100\% = 16.7\%$$

$$\frac{\text{Change}}{\text{original}} \times 100\%$$

3

Assignment Pg 4-5

DAY 1 *Percent Review assignment*

1. Complete the table below.

Fraction	Decimal	Percent
$\frac{42}{205}$		
	2.59	
		31%
$\frac{86}{19}$		
	0.253	
		75%
$3\frac{1}{20}$		
	10.1	
		$5\frac{7}{10}\%$
$\frac{8}{172}$		
	0.4679	
		$25\frac{1}{2}\%$

DAY 1 *Understanding Percent assignment, continued*

1. If you purchase an iPod that costs \$339, how much sales tax will you pay if the rate is 8.375%?
2. A shirt that regularly sells for \$38.50 is on sale for 25% off, by how much money is the shirt being discounted?
3. If 13 out of 27 students in a computer class are seniors, then what percent of the class is composed of seniors?
4. A meteorologist was accurate 90% of the time, reporting accurately on 45 days. How many days of weather did he report?
5. At Kennedy High School, 119 students walk to school. If this number is 35% of school enrollment, then how many students are enrolled at the school?
6. Last year a school had 139 honor students and a school population of 739. What is the percent of honor students?
7. At the Hip-Hop Shop each salesperson receives an 8.5% commission on sales. What would a salesperson earn if she sold \$250 in goods?
8. At a supermarket the hourly pay increased from \$14.00 to \$15.50. What is the percent increase in pay?