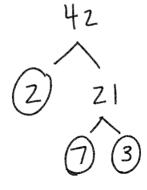
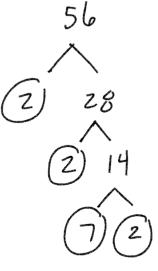
T-MF Math Fundamentals Week 30

4/30

Prime Factorization



42: 7.3.2



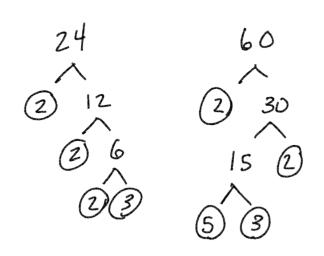
56:7.2.2.2

GCF Greatest Common Factor 42: 7.3.2 56: 7.2.2.2

7.2 =

LCM: Lowest/Least	Common Mul	tiple
-	THAN65	•
42: 7:3.2 56.7.22.2	56 · 3 = 16	8

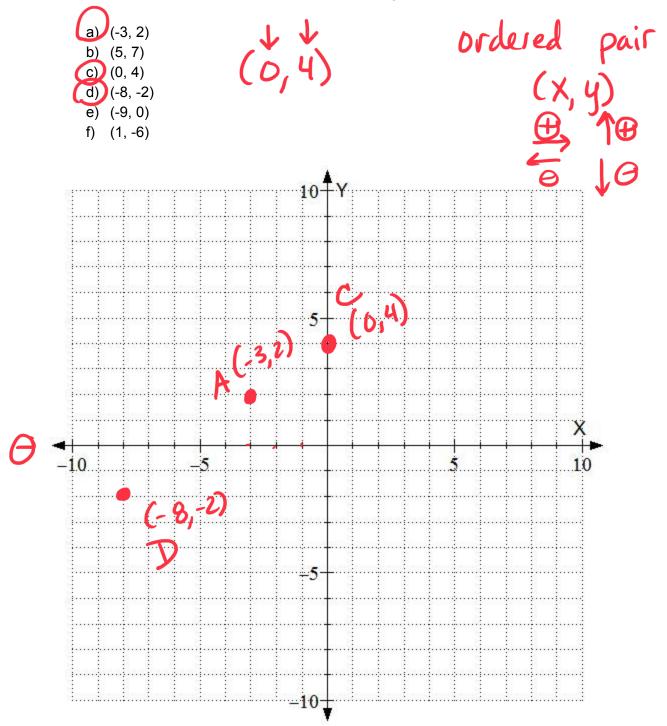
24 3 60 1.) Prime Factorine 2.) Find GCF 3.) Find LCM 1.) 24:3-2.2.2 60:5.3.2.2



- 2.) GCF 24:3.22.260:532.2
- 3.) LCM 24:322260:53.22

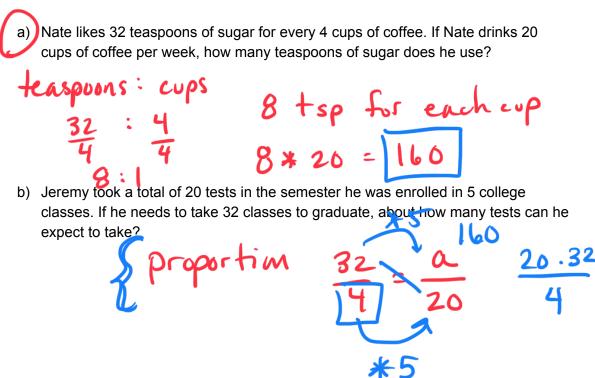
Math Fundamentals Unit 3 Pre-Test

1.) (2.5 pts each, 15 pts total) Plot each of the following points.



(2.5 p	It costs \$112 dollars for a group of 8 people to watch Ratio	Bluey: The Musica
	Ratio <b>\$12.0</b> This is a rate of <b>\$14</b> dollars per person.	\$112:8 8 8 8 8 14:1
b)	Find the ratio and unit rate:	
	360 cats from 9 enchanted cottages	
	Ratio: cats p	er enchanted cottage

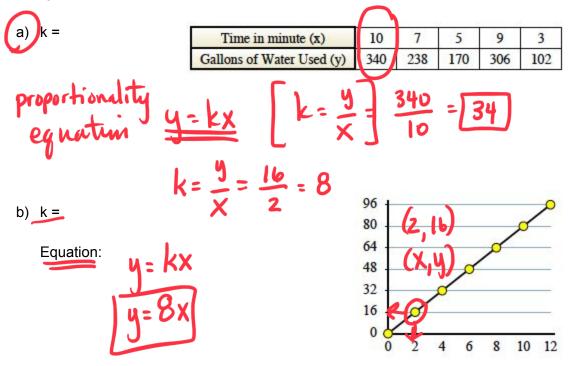
3.) (2.5 pts each, 5 pts total) Answer each of the following. Include unit rate along with the answer.



4.) (5 pts each, 10 pts total) Solve each using ratios. Include unit rate along with your answer.

(a) At the baseball stadium, it costs \$39.69 for 7 hot dogs. If you wanted to buy a very conservative snack of 16 hot dogs, how much would it cost?
\$39.69 : 7
\$5.67 \* 16 = \$90.12
\$5.67 per dog
b) A recipe called for the ratio of sugar to flour to be 8 : 5. If you used 70 ounces of flour, how many ounces of sugar would you need to use?

5.) (5 pts each, 10 pts total) Determine the proportionality constant utilizing the following table or graph.



6.) (5 pts each, 10 pts total) Use your knowledge of proportions to answer each of the following:

a) A phone store earned \$112.32 after they sold 18 phone cases. Write an equation that can be used to express the relationship between the total money earned (t) and the number of cases(c) sold.

Find k 
$$k = \frac{y}{x} = \frac{4112.32}{18} = \frac{46.24}{18}$$
  
b)  $\frac{1}{25} = \frac{64}{100}$   
 $k = \frac{4112.32}{18} = \frac{46.24}{18}$   
 $t = \frac{40.24}{100}$ 

- 7.) (2.5 pts each, 10 pts total) Use you knowledge of conversions to answer each of the following:
  - a) 18 centimeters = \_\_\_\_\_ m
  - b) 306 millimeters = \_\_\_\_ cm

c) 9 kilograms = \_\_\_\_\_ g

d) 834 milliliters = \_\_\_\_\_ L