

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

## Unit 3 Study Guide

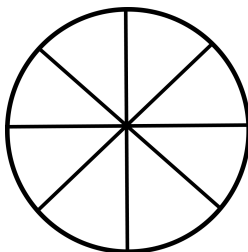
1. Mr. Gomez has 12 cupcakes. He puts the cupcakes into 4 boxes so that there are the same number of cupcakes in each box. How many cupcakes did Mr. Gomez put in each box? Use a picture or diagram to show your work.

\_\_\_\_\_ cupcakes

2. Four children want to share 10 candy bars so that everyone gets the same amount. How much candy can each child get? Use a picture or diagram to show your work.

\_\_\_\_\_ candy bars

3. a. Shade in  $\frac{1}{2}$  the circle. Name the shaded portion.



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b. Name 3 other fractions that are equivalent to  $\frac{1}{2}$  .

\_\_\_\_\_

4. a. Circle the fraction(s) equivalent to  $\frac{1}{3}$ .

$\frac{1}{2}$

$\frac{2}{8}$

$\frac{2}{6}$

$\frac{4}{8}$

$\frac{4}{12}$

b. Choose one of the fractions you circled and explain how you know it is equivalent to  $\frac{1}{3}$  .

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5. Where can you find how many equal pieces need to be on your number line?  
Circle the correct answer.

- a. The problem
- b. The numerators
- c. The number of pieces of pizza you ate
- d. The denominator

6. Place the following fractions on the number line below:  $\frac{1}{4}$ ,  $\frac{6}{12}$ ,  $\frac{2}{12}$ ,  $\frac{3}{8}$ .

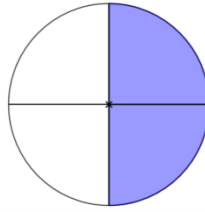


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7. Write a fraction and decimal for the circle.

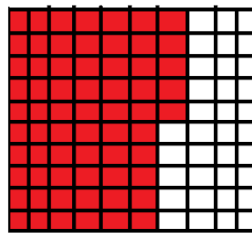
Fraction: \_\_\_\_\_



Decimal: \_\_\_\_\_

8. Write a fraction and decimal for the shaded area.

Fraction: \_\_\_\_\_



Decimal: \_\_\_\_\_

9. Write  $<$ ,  $>$  or  $=$  to compare the decimals.

0.3 \_\_\_\_\_ 0.8      0.07 \_\_\_\_\_ 0.10      0.40 \_\_\_\_\_ 0.4

10. a. Convert the centimeters to millimeters.

cm	mm
2	
25	
105	

- b. Explain how you converted 25 centimeters into millimeters.

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