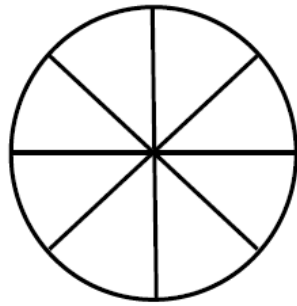


**Unit 5: Fractions Part 1 Study Guide**

**Treat this like the test. Answers for parents are on our website.**

- 1) Jack made a pie. Together he and Jill ate 5 pieces. Write a fraction that represents the amount eaten?



- 2) Shade the pie to prove your answer

- 3) Which picture shows  $\frac{3}{5}$ ?

A)



B)



C)



D)

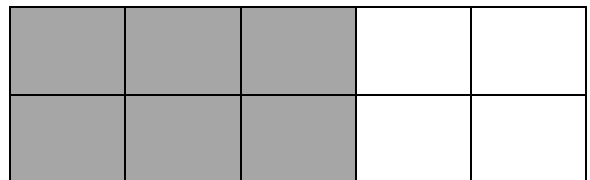


- 4) A cake is cut into 8 pieces.  $\frac{1}{4}$  of the cake has been eaten. What fraction of the cake is left?

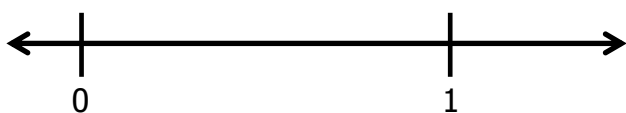


- 5) Prove your answer.

- 6) What are two ways to name the shaded part of the rectangle?



- 7) Plot the following fractions on the number line below:  $\frac{1}{4}$ ,  $\frac{2}{4}$ , and  $\frac{3}{4}$



- 8) Circle fractions that are more than  $\frac{1}{2}$ . Put an X on fractions less than  $\frac{1}{2}$ .

$\frac{4}{12}$     $\frac{7}{9}$     $\frac{2}{8}$     $\frac{3}{6}$

9) Write 2 fractions that are equivalent to  $\frac{2}{3}$ ?

10) Identify the denominator and the numerator in the following fraction.....  $\frac{1}{9}$

11) Which of the following are improper fractions?

$\frac{3}{4}$        $\frac{6}{4}$        $\frac{7}{9}$        $\frac{15}{5}$

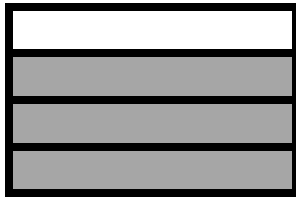
12) Which of the following are proper fractions?

$\frac{3}{4}$        $\frac{6}{4}$        $\frac{7}{9}$        $\frac{15}{5}$

13) There are 10 gallons of juice. Two-fifths are orange juice. One-half are apple juice. One-tenth is cranberry juice. Are there more orange juices or apple juices? Explain how you got your solution using pictures and words.

How many gallons of orange juice, apple juice and cranberry juice does each of those fractions represent?

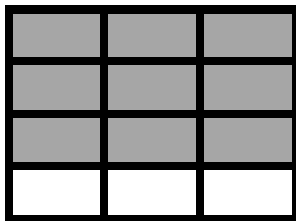
14) Look at the model below. Write a fraction for each picture.



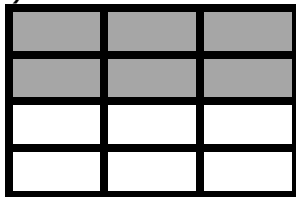
15) Then find the model that shows an equivalent fraction.

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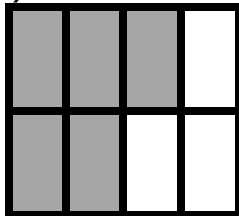
A)



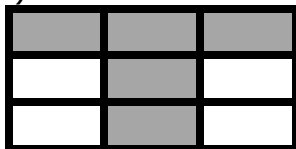
B)



C)



D)



16) Arnie, Kyan, and Vincent each had a rectangular pizza and each ate exactly one-half of their pizza. Arnie ate 2 pieces, Kyan ate 1 pieces, and Vincent ate 3 pieces. How is this possible? Explain how you got your answer using **pictures** and **words**



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

17) Cameron used 10 colored tiles to make a design in art class.  $\frac{4}{10}$  of her tiles were blue. What is an equivalent fraction for the blue tiles?

- A)  $\frac{1}{2}$                       C)  $\frac{3}{40}$   
B)  $\frac{2}{5}$                         D)  $\frac{4}{20}$

18) The fraction strips show  $\frac{6}{8}$  ?



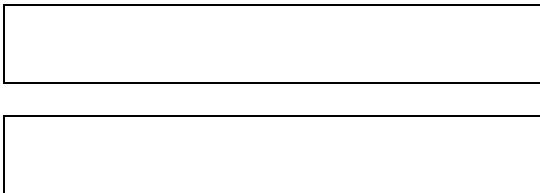
Which is an equivalent fraction?

- A)  $\frac{1}{2}$                       C)  $\frac{3}{4}$   
B)  $\frac{2}{3}$                         D)  $\frac{4}{5}$

19) Which symbol makes this sentence true?

- $\frac{1}{2}$  \_\_\_\_\_  $\frac{6}{12}$   
A) >                              C) =  
B) <                              D) +

20) Shade the diagram to prove your answer.



21) Model 2 ways the fraction  $\frac{4}{6}$ .

22) Mara was baking cookies. She used  $\frac{2}{4}$  cup of sugar,  $\frac{4}{4}$  cup of chocolate chips, and  $\frac{3}{4}$  cup of flour. Write these ingredients in order from least to greatest:

23) Explain your answer using pictures and words

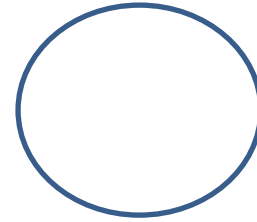
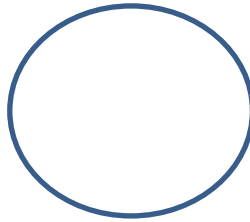
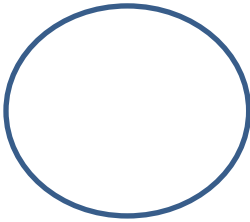
24) On Super Bowl Sunday, you ordered one pepperoni, one cheese and one hamburger pizza. Each pizza had 12 pieces.  $\frac{2}{4}$  of the pepperoni pizza was eaten,  $\frac{5}{6}$  of the cheese pizza was eaten, and  $\frac{3}{3}$  of the hamburger pizza was eaten. Which pizza had the most eaten?

A) Each had the same amount eaten

B) Pepperoni

B) Cheese

C) Hamburger



25) In Ann's flower garden,  $\frac{2}{6}$  of the flowers are daisies,  $\frac{1}{6}$  are roses, and the rest are tulips. Draw a representation (picture) of her garden below

26) What fraction of the flowers are tulips?

27) Draw models to represent the fraction  $\frac{2}{4}$  two ways.

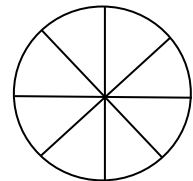
28) An apple pie has 8 slices.  $\frac{2}{4}$  of the pie has been eaten. How many slices of the pie were eaten?

A) 3

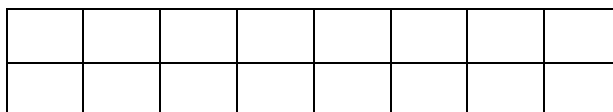
C) 4

B) 5

D) 6



29) A candy bar has 16 sections. 4 sections have nuts. What fraction of the candy bar has nuts?



1)  $\frac{1}{3}$

B)  $\frac{1}{4}$

C)  $\frac{2}{3}$

D)  $\frac{3}{4}$

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30) What is the place value of the 6 in **6,025,821**?

31) Solve.  **$72 \div (10 - 2) + 15$**

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32)  $3 \times 783 = (\underline{\hspace{2cm}} \times 3) + (80 \times 3) + (3 \times 3)$

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33)

$$25 \overline{)3,032}$$

34) Multiply to check the division problem.

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35) Which fraction is closest to one whole? You must Explain or show how you know for full credit.

A)  $\frac{9}{10}$

B)  $\frac{11}{12}$

C)  $\frac{3}{4}$

D)  $\frac{2}{3}$