

## **MATH FINAL EXAM + ANSWER KEY**

Dear Parents,

Please revise these worksheets with your children for the final exam on Thursday **04/06/ 2018** in addition the required pages in the books as follows:

### **CHAPTER 8: Understand Fractions**

LESSON 8.1

LESSON 8.4

LESSON 8.6

LESSON 8.7

### **CHAPTER 9: Compare Fractions**

LESSON 9.4

LESSON 9.5

LESSON 9.7

### **CHAPTER 12: Two-Dimensional Shapes**

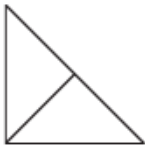
LESSON 12.1

LESSON 12.2

Common core standard: 3.NF.A.1, 3.NF.A.3c, 3.NF.A.3d, 3.NF.A.3b, 3.G.A.1



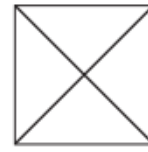
1. Write whether each shape is divide into equal parts or unequal parts:



\_\_\_\_\_ parts



\_\_\_\_\_ parts



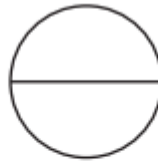
\_\_\_\_\_ parts

2. Write the number of equal parts. Then write the name for the part:



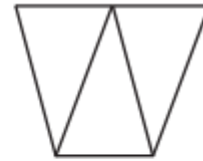
\_\_\_\_\_ equal parts

\_\_\_\_\_



\_\_\_\_\_ equal parts

\_\_\_\_\_



\_\_\_\_\_ equal parts

\_\_\_\_\_

3. Write the fraction that names each part. Write a fraction in words and in numbers to name the shaded part.



Each part is  $\frac{\square}{\square}$

\_\_\_\_\_ sixths

$\frac{\square}{\square}$



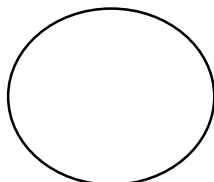
Each part is  $\frac{\square}{\square}$

\_\_\_\_\_ fourths

$\frac{\square}{\square}$

4. Draw lines to divide each shape into the number of parts given

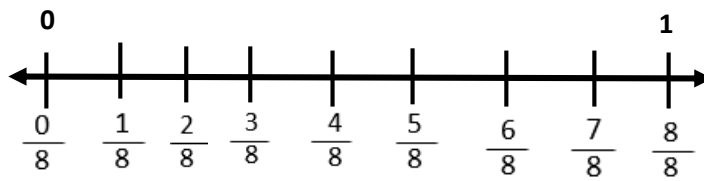
- 4 equal parts  
(Fourths)



- 6 equal parts  
(Sixths)



1. Use the number line to find whether the two numbers are equal.



$\frac{5}{8}$  and 1 \_\_\_\_\_       $\frac{0}{8}$  and 1 \_\_\_\_\_       $\frac{8}{8}$  and 1 \_\_\_\_\_

2. Write a fraction to name the shaded part of each group:

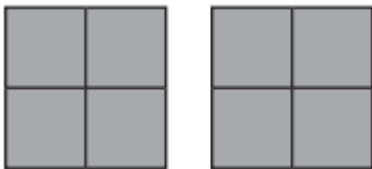


\_\_\_\_\_

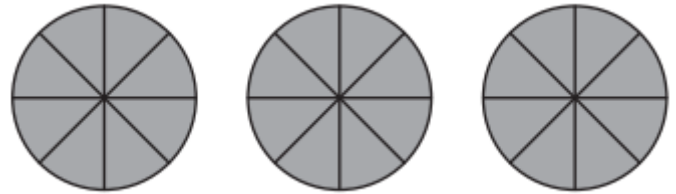


\_\_\_\_\_

3. Each shape is 1 whole. Write a fraction for the parts that are shaded.

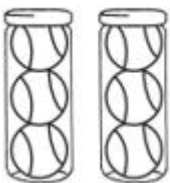


\_\_\_\_\_



\_\_\_\_\_

4. Write a whole number and a fraction greater than 1 to name the part filled.



\_\_\_\_\_



\_\_\_\_\_

1. Compare. Write  $<$ ,  $>$  or  $=$ .

$$\frac{1}{3} \bigcirc \frac{2}{3}$$

$$\frac{5}{8} \bigcirc \frac{3}{8}$$

$$\frac{1}{4} \bigcirc \frac{3}{4}$$

$$\frac{4}{8} \bigcirc \frac{4}{8}$$

$$\frac{2}{3} \bigcirc \frac{2}{6}$$

$$\frac{4}{6} \bigcirc \frac{4}{8}$$

$$\frac{2}{8} \bigcirc \frac{2}{4}$$

$$\frac{5}{6} \bigcirc \frac{5}{8}$$

$$\frac{1}{3} \bigcirc \frac{1}{4}$$

$$\frac{3}{6} \bigcirc \frac{3}{4}$$

$$\frac{7}{8} \bigcirc \frac{5}{6}$$

$$\frac{1}{3} \bigcirc \frac{4}{8}$$

$$\frac{2}{3} \bigcirc \frac{3}{4}$$

2. Write the fractions in order from

- Least to greatest.

$$\frac{4}{6}, \frac{6}{6}, \frac{3}{6} \quad \underline{\hspace{2cm}}$$

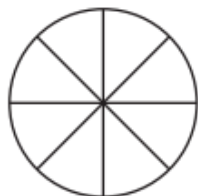
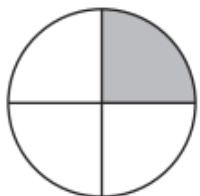
$$\frac{2}{3}, \frac{2}{6}, \frac{2}{4} \quad \underline{\hspace{2cm}}$$

- Greatest to least.

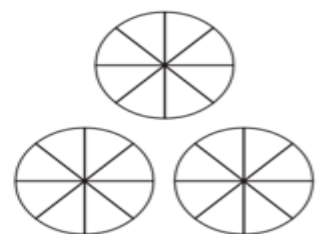
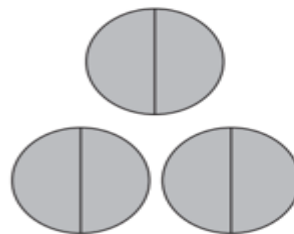
$$\frac{3}{4}, \frac{0}{4}, \frac{2}{4} \quad \underline{\hspace{2cm}}$$

$$\frac{1}{4}, \frac{1}{8}, \frac{1}{2} \quad \underline{\hspace{2cm}}$$

1. Each shape is 1 whole. Shade the model to find the equivalent fraction.



$$\frac{1}{4} = \frac{\square}{8}$$



$$\frac{6}{2} = \frac{\square}{8}$$

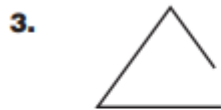
1. Circle all the words that describe the shape.



line  
line segment



point  
ray



closed shape  
open shape



closed shape  
open shape

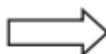
2. Write whether the shape is open or closed.



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

3. Write how many line segments the shape has.



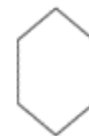
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

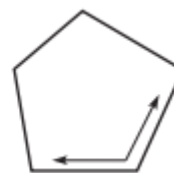
4. Tell whether the angle is a right angle, less than a right angle, or greater than a right angle.



\_\_\_\_\_



\_\_\_\_\_

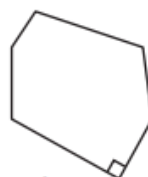


\_\_\_\_\_

5. Write how many of each type of angle the shape has.

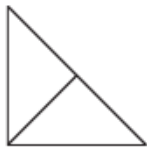


\_\_\_ right  
\_\_\_ less than a right  
\_\_\_ greater than a right



\_\_\_ right  
\_\_\_ less than a right  
\_\_\_ greater than a right

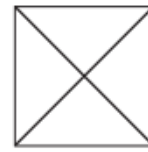
5. Write whether each shape is divide into equal parts or unequal parts:



— **equal** — parts



— **unequal** parts



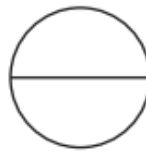
— **equal** — parts

6. Write the number of equal parts. Then write the name for the part:



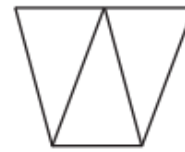
**4** equal parts

**Fourths**



**2** equal parts

**Halves**



**3** equal parts

**Thirds**

7. Write the fraction that names each part. Write a fraction in words and in numbers to name the shaded part.



Each part is  $\frac{1}{6}$   
**4** sixths

$\frac{4}{6}$

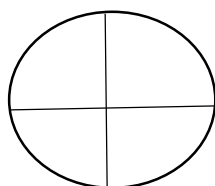


Each part is  $\frac{1}{4}$   
**2** fourths

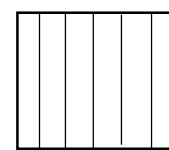
$\frac{2}{4}$

8. Draw lines to divide each shape into the number of parts given

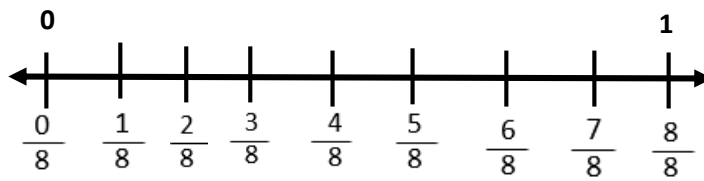
- 4 equal parts  
(Fourths)



- 6 equal parts  
(Sixths)



5. Use the number line to find whether the two numbers are equal.



$\frac{5}{8}$  and 1 **NOT equal**       $\frac{0}{8}$  and 1 **NOT equal**       $\frac{8}{8}$  and 1 **equal**

6. Write a fraction to name the shaded part of each group:

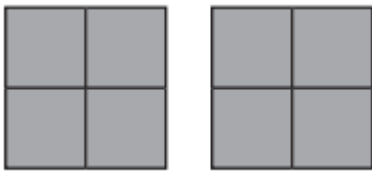


$$\frac{4}{8}$$



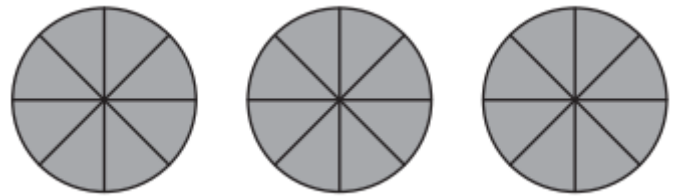
$$\frac{3}{6}$$

7. Each shape is 1 whole. Write a fraction for the parts that are shaded.



$$\frac{2}{4}$$

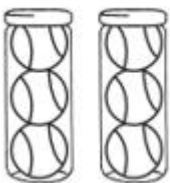
$$\frac{8}{4}$$



$$\frac{3}{8}$$

$$\frac{24}{8}$$

8. Write a whole number and a fraction greater than 1 to name the part filled.



$$2 \frac{6}{3}$$



$$3 \frac{18}{6}$$

3. Compare. Write  $<$ ,  $>$  or  $=$ .

$$\frac{1}{3} < \frac{2}{3}$$

$$\frac{5}{8} > \frac{3}{8}$$

$$\frac{1}{4} < \frac{3}{4}$$

$$\frac{4}{8} = \frac{4}{8}$$

$$\frac{2}{3} > \frac{2}{6}$$

$$\frac{4}{6} > \frac{4}{8}$$

$$\frac{2}{8} < \frac{2}{4}$$

$$\frac{5}{6} > \frac{5}{8}$$

$$\frac{1}{3} > \frac{1}{4}$$

$$\frac{3}{6} < \frac{3}{4}$$

(42)

(40)

(8)

(12)

(8)

(9)

$$\frac{7}{8} > \frac{5}{6}$$

$$\frac{1}{3} < \frac{4}{8}$$

$$\frac{2}{3} < \frac{3}{4}$$

4. Write the fractions in order from

• Least to greatest.

$$\frac{4}{6}, \frac{6}{6}, \frac{3}{6} \quad \frac{3}{6} \quad \frac{4}{6} \quad \frac{6}{6}$$

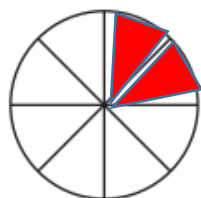
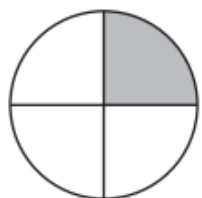
$$\frac{2}{3}, \frac{2}{6}, \frac{2}{4} \quad \frac{2}{6} \quad \frac{2}{4} \quad \frac{2}{3}$$

• Greatest to least.

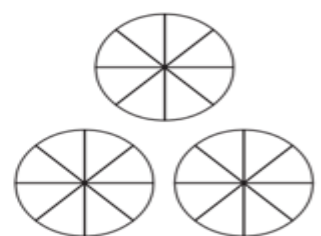
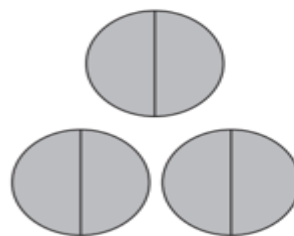
$$\frac{3}{4}, \frac{0}{4}, \frac{2}{4} \quad \frac{3}{4} \quad \frac{2}{4} \quad \frac{0}{4}$$

$$\frac{1}{4}, \frac{1}{8}, \frac{1}{2} \quad \frac{1}{2} \quad \frac{1}{4} \quad \frac{1}{8}$$

2. Each shape is 1 whole. Shade the model to find the equivalent fraction.



$$\frac{1}{4} = \frac{2}{8}$$



$$\frac{6}{2} = \frac{24}{8}$$



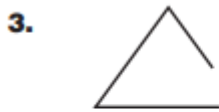
6. Circle all the words that describe the shape.



line  
line segment



point  
ray



closed shape  
open shape



closed shape  
open shape

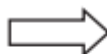
7. Write whether the shape is open or closed.



Open



Closed



Closed



Open

8. Write how many line segments the shape has.



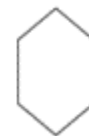
4



8



4



6

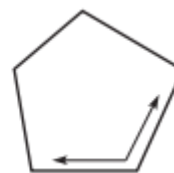
9. Tell whether the angle is a right angle, less than a right angle, or greater than a right angle.



Right Angle



less than a R. A.

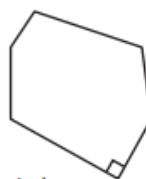


Greater than a R. A.

10. Write how many of each type of angle the shape has.



4 right  
0 less than a right  
0 greater than a right



1 right  
1 less than a right  
4 greater than a right