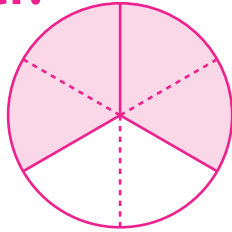


Name \_\_\_\_\_

1. Draw a model to show that  $\frac{2}{3} = \frac{4}{6}$ . **1 point**

**Sample answer:**



2. Emile will use less than  $\frac{1}{2}$  cup sugar for a recipe. What fraction of a cup might Emile use? Explain. **2 points**

**Sample answer:**  $\frac{1}{4}$ ;  $\frac{1}{2}$  is equivalent to  $\frac{2}{4}$ ;  $\frac{1}{4} < \frac{2}{4}$ , so  $\frac{1}{4} < \frac{1}{2}$ .

3. Missy walks  $\frac{1}{3}$  mile to school. Will says that Missy walks  $\frac{2}{6}$  mile to school. Is Will correct? Explain. **1 point**

**Yes; Sample answer:**  $\frac{1}{3}$  and  $\frac{2}{6}$  are equivalent fractions.

4. Explain how to use multiplication to find an equivalent fraction for  $\frac{1}{4}$ . **1 point**

**Sample answer:** Multiply 1 and 4 by the same number, 2. The equivalent fraction is  $\frac{2}{8}$ .

5. Write two fractions that are equivalent to  $\frac{8}{10}$ . Describe how you can show they are equivalent. **2 points**

**Sample answer:**  $\frac{4}{5}$  and  $\frac{16}{20}$ ; I can create a visual model to see if the same amount is shaded for each fraction.

6. Compare the fractions to  $\frac{2}{3}$ . Write each fraction in the correct answer space. **1 point**

Less Than $\frac{2}{3}$	Equal to $\frac{2}{3}$	Greater Than $\frac{2}{3}$
$\frac{3}{8}$	$\frac{8}{12}$	$\frac{4}{5}$
$\frac{1}{2}$	$\frac{10}{15}$	$\frac{9}{10}$

$\frac{1}{2}$   $\frac{8}{12}$   $\frac{3}{8}$   $\frac{10}{15}$   $\frac{4}{5}$   $\frac{9}{10}$

7. Kenny ate  $\frac{1}{8}$  of a large cake and Gail ate  $\frac{2}{4}$  of a small cake. Who ate more? Explain. **1 point**

- A** The two cakes are different sizes, so it is impossible to compare the fractions to see who ate more.
- B** Because  $\frac{1}{8} < \frac{2}{4}$ , Gail ate more.
- C** Because Gail's cake was smaller than Kenny's cake, Kenny ate more.
- D** Kenny and Gail ate the same amount because  $\frac{1}{8}$  is the same as  $\frac{2}{4}$ .

8. The Nanduri family set a goal to walk a certain number of miles in May. After the first week, they checked in with each other to see how much of the goal each had completed.

Fraction Walked	
Mr. Nanduri	$\frac{1}{3}$
Mrs. Nanduri	$\frac{1}{4}$
Giva	$\frac{2}{5}$
Kanan	$\frac{3}{12}$

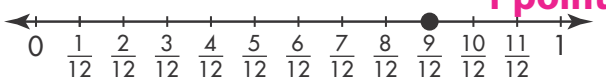
- A. Who reached the greatest fraction of their goal? **1 point**

**Giva**

- B. Name the two family members who walked the same fraction of their goal. Explain. **2 points**

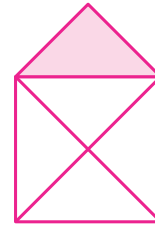
**Mrs. Nanduri and Kanan;**  
 Divide  $\frac{3}{12}$  by  $\frac{3}{3}$ ;  
 $\frac{3}{12}$  is equivalent to  $\frac{1}{4}$ .

9. Lizzy found a fraction equivalent to the one shown on the number line. Which fraction could Lizzy have found? Explain. **1 point**



- (A)  $\frac{3}{4}$  because  $\frac{9}{12} \div \frac{3}{3} = \frac{3}{4}$   
 (B)  $\frac{4}{10}$  because  $\frac{9}{12} - \frac{5}{2} = \frac{4}{10}$   
 (C)  $\frac{3}{8}$  because  $\frac{9}{12} \div \frac{3}{3} = \frac{3}{8}$   
 (D)  $\frac{1}{3}$  because  $\frac{9}{12} \div \frac{4}{4} = \frac{1}{3}$

10. Jane and Richard each painted about  $\frac{1}{5}$  of their own birdhouse. Jane painted more than Richard. Draw a picture and explain how that is possible. **2 points**



Jane's  
Birdhouse



Richard's  
Birdhouse

**Sample answer: Jane's birdhouse is larger than Richard's birdhouse.**

11. Order  $\frac{4}{5}$ ,  $\frac{1}{4}$ ,  $\frac{6}{8}$ ,  $\frac{5}{9}$  from least to greatest. **1 point**

**$\frac{1}{4}$ ,  $\frac{5}{9}$ ,  $\frac{6}{8}$ ,  $\frac{4}{5}$**

12. Only one of the comparisons below is incorrect. Which is incorrect? What benchmark was used to check your answer? **1 point**

- (A)  $\frac{1}{4} < \frac{1}{3}$ ; I used  $\frac{1}{2}$  as a benchmark.  
 (B)  $\frac{3}{8} > \frac{1}{4}$ ; I used  $\frac{1}{2}$  as a benchmark.  
 (C)  $\frac{2}{3} = \frac{5}{6}$ ; I used  $\frac{3}{4}$  as a benchmark.  
 (D)  $\frac{1}{3} < \frac{2}{5}$ ; I used  $\frac{3}{5}$  as a benchmark.

13. Use  $\frac{1}{2}$  as a benchmark to compare  $\frac{3}{8}$  and  $\frac{4}{6}$ . **1 point**

**Sample answer:  $\frac{1}{2} = \frac{4}{8}$ ;  
 $\frac{3}{8}$  is less than  $\frac{1}{2}$ ; and  $\frac{1}{2} = \frac{3}{6}$ ;  
 $\frac{4}{6}$  is greater than  $\frac{1}{2}$ .  
 So,  $\frac{3}{8} < \frac{4}{6}$ .**