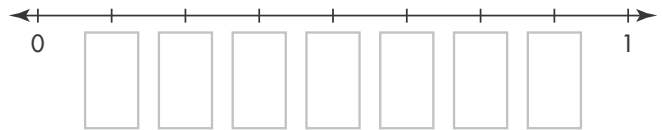
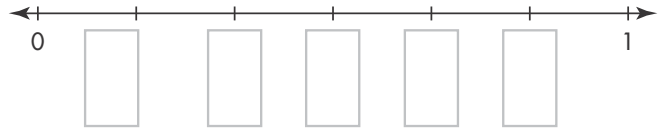


Name \_\_\_\_\_

1. Marilyn and Lee are painting a fence. So far, Marilyn has painted  $\frac{1}{6}$  of the fence, and Lee has painted  $\frac{2}{6}$  of the fence. Who has completed more of the fence? Explain.

2. Alex can compare  $\frac{5}{6}$  and  $\frac{5}{8}$  without using fraction strips. He says that a whole divided into 6 equal parts will have larger parts than the same whole divided into 8 equal parts. Five larger parts must be more than five smaller parts, so  $\frac{5}{6}$  is greater than  $\frac{5}{8}$ . Is Alex correct? If not, explain Alex's error. Write the correct comparison using symbols.

3. Aoki completed  $\frac{3}{6}$  of a distance-running challenge. Faye completed  $\frac{3}{8}$  of the same challenge. Use the number lines to compare how far Aoki and Faye each ran. Who ran the farther distance?

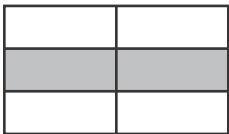


4. A pie is cut into 8 equal pieces. What fraction represents the entire pie? Explain.

5. Alisha and Rose each have a bracelet that has the same number of beads. Of the beads in Alisha's bracelet,  $\frac{5}{6}$  are red. Of the beads in Rose's bracelet,  $\frac{2}{6}$  are red. Which bracelet has a fraction of red beads closer to 0 than to 1? Explain how you found your answer. Then tell which bracelet has more red beads.

7. Garry, Barry, and Larry each had casseroles for their graduation. The casseroles were the same size and cut into fourths. At their party, the guests ate  $\frac{3}{4}$  of Garry's casserole,  $\frac{1}{4}$  of Barry's casserole, and  $\frac{2}{4}$  of Larry's casserole. The guests ate the most of whose casserole? Explain.

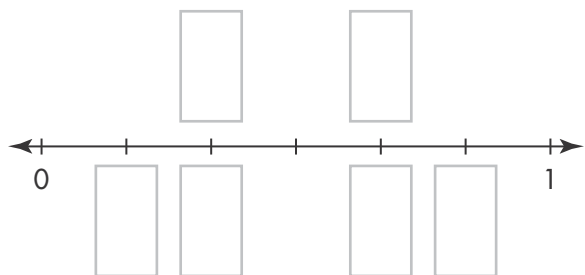
- 
6. Tami colored the fraction model below.
- A. Which fractions name the shaded part of the model? Select all that apply.



- $\frac{4}{6}$         $\frac{1}{2}$         $\frac{2}{4}$   
  $\frac{2}{6}$         $\frac{1}{3}$

- B. Does  $\frac{2}{3}$  name the unshaded part of the model? Explain.

8. Noah wants to know if two pieces of wood are the same length. One piece of wood is  $\frac{4}{6}$  yard long. The other is  $\frac{2}{3}$  yard long. Are they the same length? Fill in the fractions on the number line to compare the lengths of the pieces of wood. Then explain your answer.



9. Olivia used colored ribbon for a craft project. She used  $\frac{2}{6}$  yard of green,  $\frac{2}{3}$  yard of red, and  $\frac{2}{4}$  yard of yellow. Use benchmark fractions to arrange the lengths of the ribbons in order from shortest to longest ribbon.

10. A garden is divided into 5 equal parts. What fraction represents the entire garden? Explain.

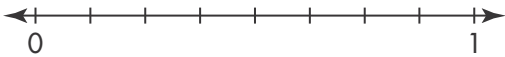
11. Erika spent  $\frac{1}{4}$  of her allowance. Write an equivalent fraction for the amount she did **NOT** spend. Then write a fraction that is equivalent to the amount of her allowance that Erika did spend, and explain why your answer is correct.

12. Circle each fraction that is equivalent to 1. Explain your reasoning. Then give another fraction that is equal to 1.

$$\frac{1}{4} \quad \frac{3}{4} \quad \frac{8}{8} \quad \frac{4}{4} \quad \frac{6}{8}$$

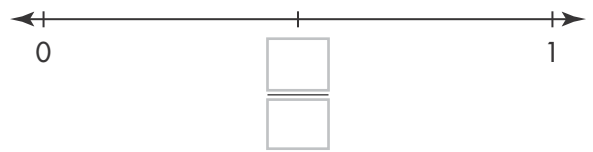
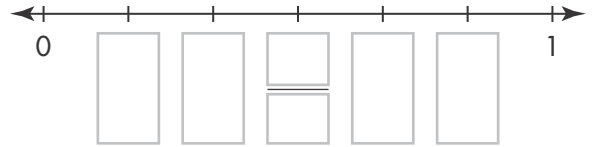
13. Use the number line to help order the fractions from least to greatest. Then explain how you found your answer.

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



14. Chase and Abigail walked the same distance to school. In ten minutes, Chase walked  $\frac{1}{6}$  of the distance and Abigail walked  $\frac{1}{2}$  of the distance. Conjecture: In ten minutes, Abigail walked farther than Chase.

- A. Complete the number lines to help think about the conjecture.



- B. Use the number lines to decide if the conjecture is correct. Explain.

15. For each pair of fractions, write the equivalent whole number in the box.

$$\frac{12}{4} = \frac{6}{2} = \square$$

$$\frac{24}{6} = \frac{12}{3} = \square$$

$$\frac{8}{8} = \frac{3}{3} = \square$$