

Name _____

1

Four number cards are shown below.

1

2

7

9

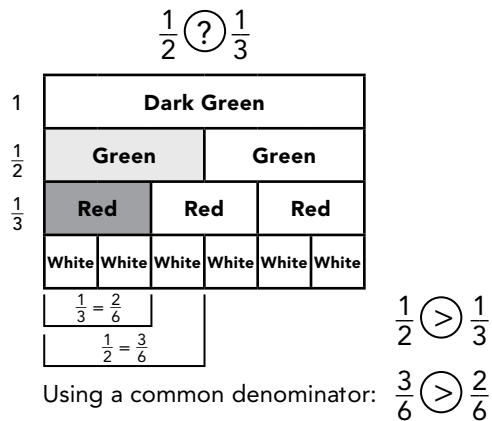
Use two of the cards to

- a. make the smallest fraction.
- b. make the next smallest fraction.



Try This

- Use Cuisenaire Rods.
- Build a model for the fractions.
- Add rods to make a common denominator, if necessary.
- Draw and color your model.
- Rewrite the fractions using a common denominator.
- Write $>$, $<$, or $=$ in the circles.
- For problems 5–7, compare without building models.



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

_____ \bigcirc _____

2. $\frac{3}{5} \bigcirc \frac{1}{2}$

_____ \bigcirc _____

3. $\frac{3}{4} \bigcirc \frac{5}{8}$

_____ \bigcirc _____

4. $\frac{2}{3} \bigcirc \frac{7}{9}$

_____ \bigcirc _____

5. $\frac{5}{6} \bigcirc \frac{3}{4}$

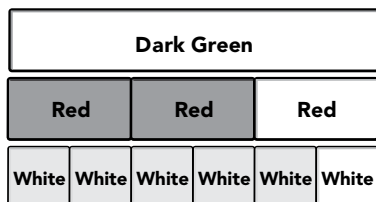
6. $\frac{2}{3} \bigcirc \frac{4}{6}$

7. $\frac{3}{8} \bigcirc \frac{2}{3}$

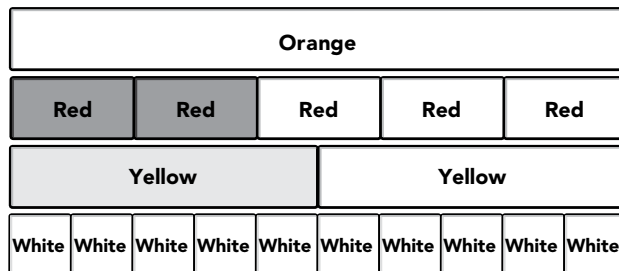


Use Cuisenaire Rods to build the model. Rename the fractions to make a common denominator. Compare the fractions. Write $>$, $<$, or $=$ in the circles.

1. $\frac{2}{3} \bigcirc \frac{5}{6}$
 $\frac{2}{6} \bigcirc \frac{5}{6}$



2. $\frac{2}{5} \bigcirc \frac{1}{2}$
 $\frac{4}{10} \bigcirc \frac{5}{10}$



Use Cuisenaire Rods to model the fractions. Add rods to make a common denominator, if necessary. Draw and color your model. Rewrite the fractions using a common denominator. Write $>$, $<$, or $=$ in the circles.

3. $\frac{7}{8} \bigcirc \frac{3}{4}$
 _____ \bigcirc _____

4. $\frac{2}{3} \bigcirc \frac{1}{2}$
 _____ \bigcirc _____

Compare the fractions. Write $>$, $<$, or $=$.

5. $\frac{1}{2} \bigcirc \frac{5}{10}$

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

7. $\frac{7}{12} \bigcirc \frac{4}{6}$

Name _____

2

Suppose you have the following cards:



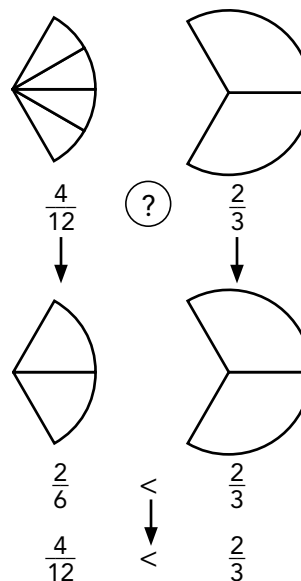
Use two cards to make a fraction that is

- a. greater than four-fifths.
- b. less than one-fifth.
- c. more than two.
- d. closest to one-sixth.



Try This

- Use Fraction Circles to model each given fraction.
- Adjust your models so both are made with the same number of pieces.
- Compare the fractions. Write $<$, $>$, or $=$ in the circle.
- For problems 1–3, draw and color your adjusted models.
- For problems 4–8, compare without building models.



1. $\frac{1}{5} \bigcirc \frac{2}{8}$

2. $\frac{3}{8} \bigcirc \frac{6}{10}$

3. $\frac{2}{8} \bigcirc \frac{1}{6}$

4. $\frac{2}{5} \bigcirc \frac{1}{4}$

5. $\frac{1}{3} \bigcirc \frac{4}{12}$

6. $\frac{6}{9} \bigcirc \frac{2}{3}$

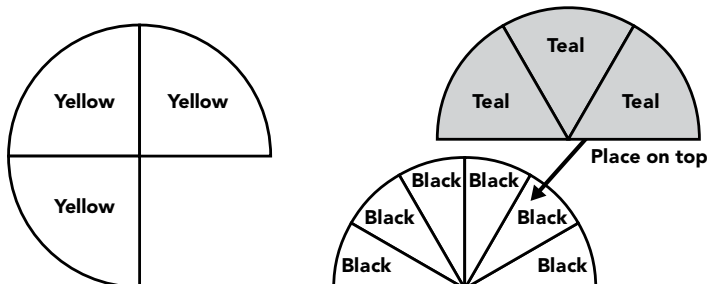
7. $\frac{4}{10} \bigcirc \frac{2}{4}$

8. $\frac{9}{12} \bigcirc \frac{3}{5}$

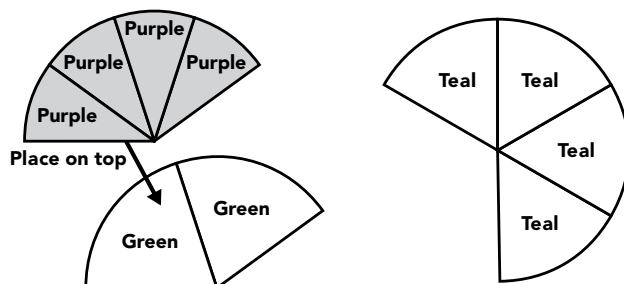
9. When each fraction is represented by the same number of pieces, how do the denominators representing those pieces help you determine which fraction is greater?

Use Fraction Circles to build the model. Rewrite the fraction with the same denominator. Write $<$, $>$, or $=$ in the circle.

1. $\frac{3}{4} \bigcirc \frac{6}{12}$



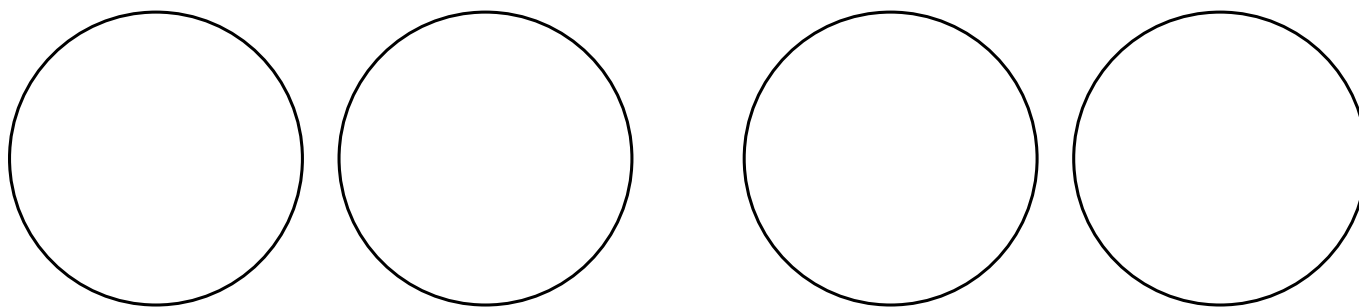
2. $\frac{2}{5} \bigcirc \frac{4}{6}$



Use Fraction Circles to model each fraction. Then change one model so both use the same number of pieces. Draw the models by shading or coloring the circles. Write $<$, $>$, or $=$.

3. $\frac{2}{8} \bigcirc \frac{1}{3}$

4. $\frac{2}{3} \bigcirc \frac{4}{5}$



Compare the fractions. Write $<$, $>$, or $=$.

5. $\frac{3}{6} \bigcirc \frac{6}{12}$

6. $\frac{2}{8} \bigcirc \frac{1}{2}$

7. $\frac{1}{3} \bigcirc \frac{3}{10}$

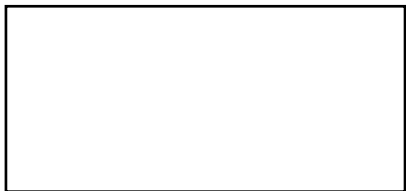
8. $\frac{6}{8} \bigcirc \frac{2}{3}$

Name _____

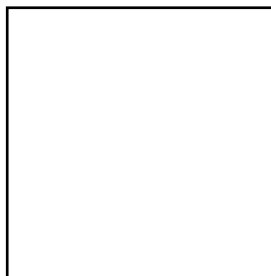
3

Shade $\frac{1}{4}$ of these figures.

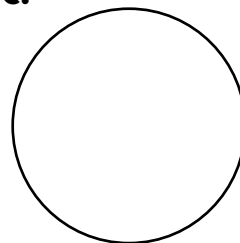
a.



b.



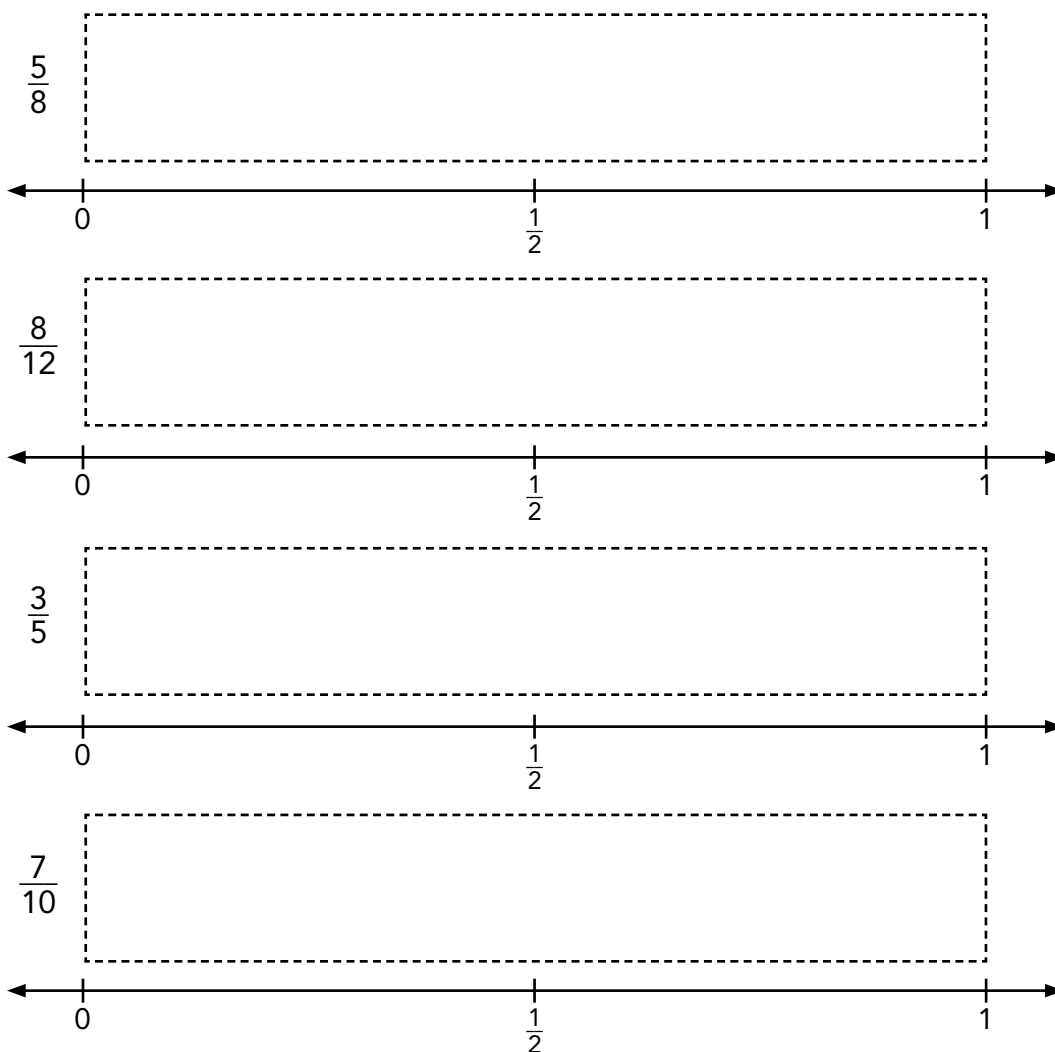
c.



Try This

- For problem 1, use Fraction Towers to model the fractions.
- Draw your models on the outlines. Label each fraction piece.
- For problems 2–7, refer to your drawings in problem 1.
Write $<$, $>$, or $=$ in the \bigcirc .
- For problems 8–10, write $<$, $>$, or $=$ in the \bigcirc .

1.



2. $\frac{5}{12} \bigcirc \frac{1}{2}$

3. $\frac{3}{5} \bigcirc \frac{1}{2}$

4. $\frac{3}{8} \bigcirc \frac{7}{10}$

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

6. $\frac{5}{12} \bigcirc \frac{3}{5}$

7. $\frac{5}{12} \bigcirc \frac{7}{10}$

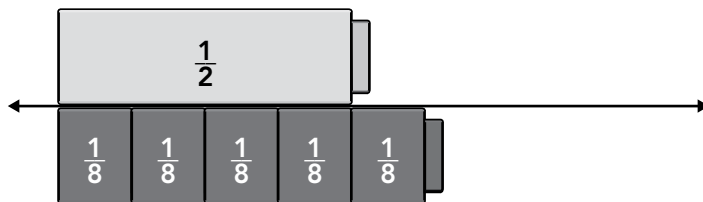
8. $\frac{1}{3} \bigcirc \frac{3}{5}$

9. $\frac{5}{8} \bigcirc \frac{1}{3}$

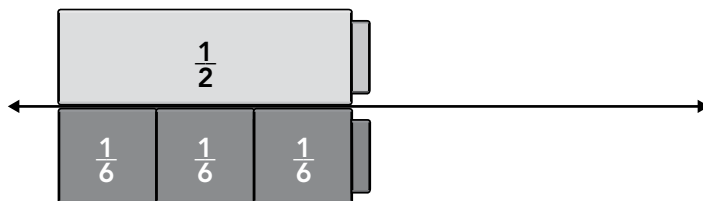
10. $\frac{3}{6} \bigcirc \frac{5}{10}$

Use Fraction Towers to build the model on a Fraction Number Line. Compare the fractions. Write $<$, $>$, or $=$ in the \bigcirc .

1. $\frac{5}{8} \bigcirc \frac{1}{2}$

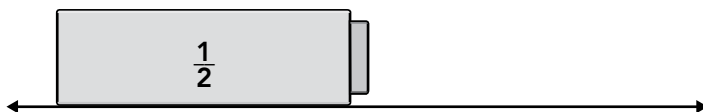


2. $\frac{3}{6} \bigcirc \frac{1}{2}$

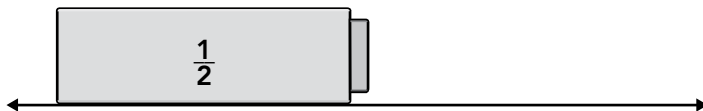


Use Fraction Towers to model the fractions on a Fraction Number Line. Draw your model and compare the fractions. Write $<$, $>$, or $=$ in the \bigcirc .

3. $\frac{7}{10} \bigcirc \frac{1}{2}$



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



Compare the fractions. Write $<$, $>$, or $=$ in the \bigcirc .

5. $\frac{3}{4} \bigcirc \frac{1}{2}$

6. $\frac{4}{10} \bigcirc \frac{1}{2}$

7. $\frac{4}{10} \bigcirc \frac{3}{4}$

8. $\frac{3}{8} \bigcirc \frac{1}{2}$

9. $\frac{3}{5} \bigcirc \frac{1}{2}$

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



Name _____

4

Express the decimals as fractions or mixed numbers.

a. 1.01

b. 0.04

c. 3.5

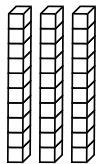
d. 0.91



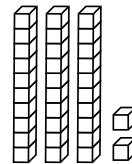
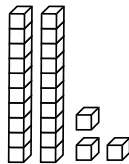
Try This

- Use Base Ten Blocks to model each number. Let the flat represent one whole.
- Write the decimal under each picture.
- Write $<$ or $>$ in the \bigcirc .

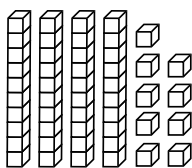
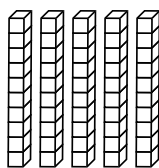
1.

_____ \bigcirc _____

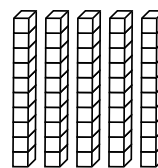
2.

_____ \bigcirc _____

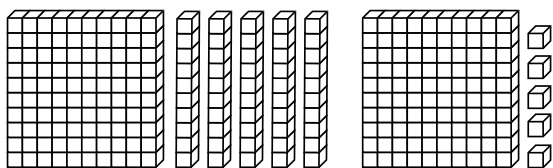
3.

_____ \bigcirc _____

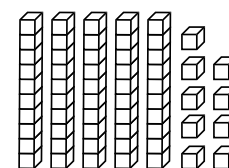
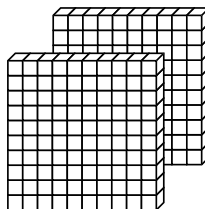
4.

_____ \bigcirc _____

5.

_____ \bigcirc _____

6.

_____ \bigcirc _____**Write $<$ or $>$ in the \bigcirc .**

7. $0.7 \bigcirc 0.4$

8. $0.07 \bigcirc 0.7$

9. $0.6 \bigcirc 0.48$

10. $0.46 \bigcirc 0.4$

11. $0.33 \bigcirc 0.3$

12. $0.7 \bigcirc 0.08$

13. $0.90 \bigcirc 0.19$

14. $0.54 \bigcirc 0.45$

15. $2.83 \bigcirc 2.38$

16. $7.04 \bigcirc 7.34$

17. $4.33 \bigcirc 4.30$

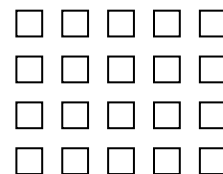
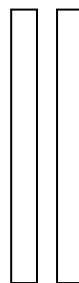
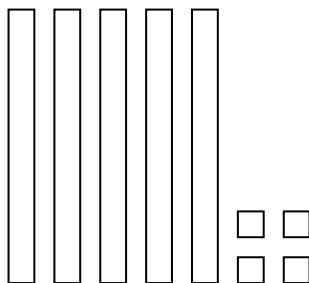
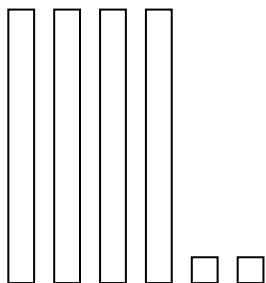
18. $6.3 \bigcirc 60.3$



Use Base Ten Blocks to build each model. Let the flat represent one whole. Compare the decimals using $>$, $<$, or $=$.

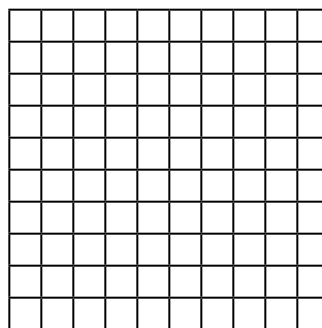
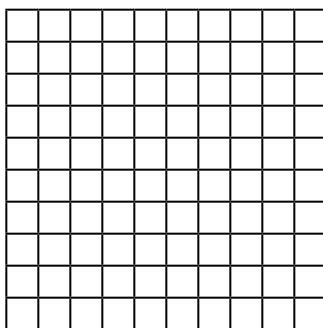
1. $0.42 \bigcirc 0.54$

2. $0.2 \bigcirc 0.20$

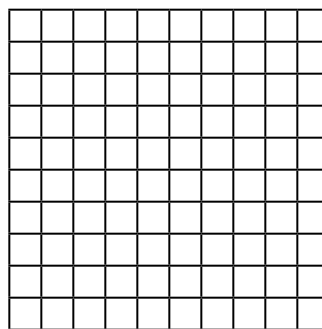
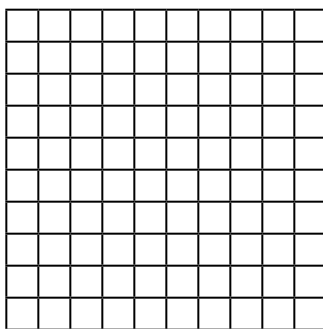


Use Base Ten Blocks to model each decimal. Draw your models on the grids. Compare the decimals using $>$, $<$, or $=$.

3. $0.6 \bigcirc 0.65$



4. $0.73 \bigcirc 0.69$



Compare the decimals using $>$, $<$, or $=$.

5. $0.28 \bigcirc 0.35$

6. $0.82 \bigcirc 0.80$

7. $0.75 \bigcirc 0.9$

8. $0.54 \bigcirc 0.5$

9. $0.64 \bigcirc 0.6$

10. $0.5 \bigcirc 0.50$