1
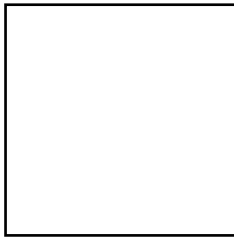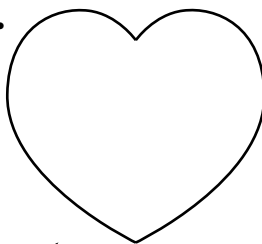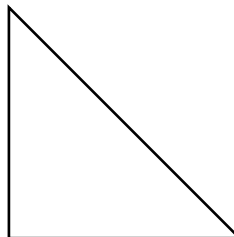
Draw a line to cut the shapes exactly in half.

a.   **b.**   **c.**   **d.**
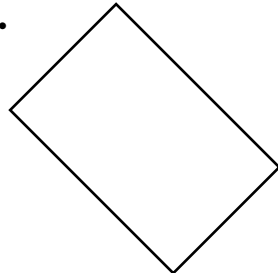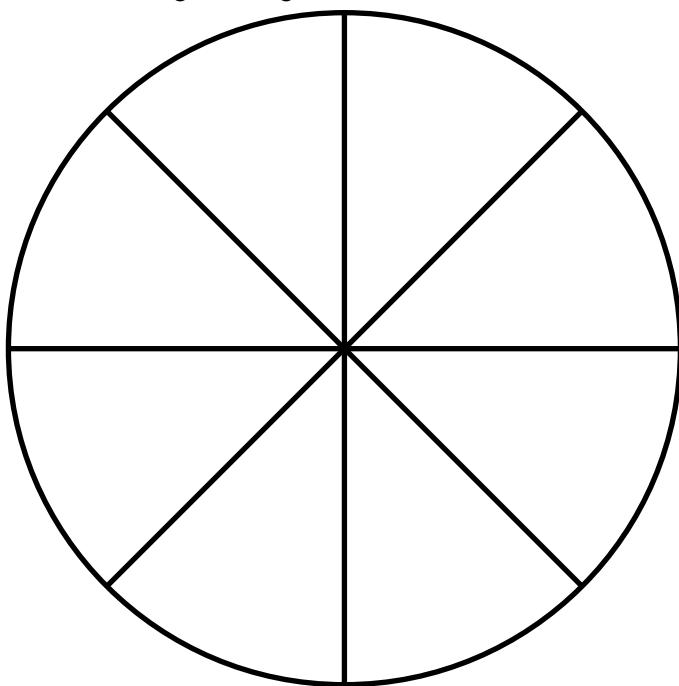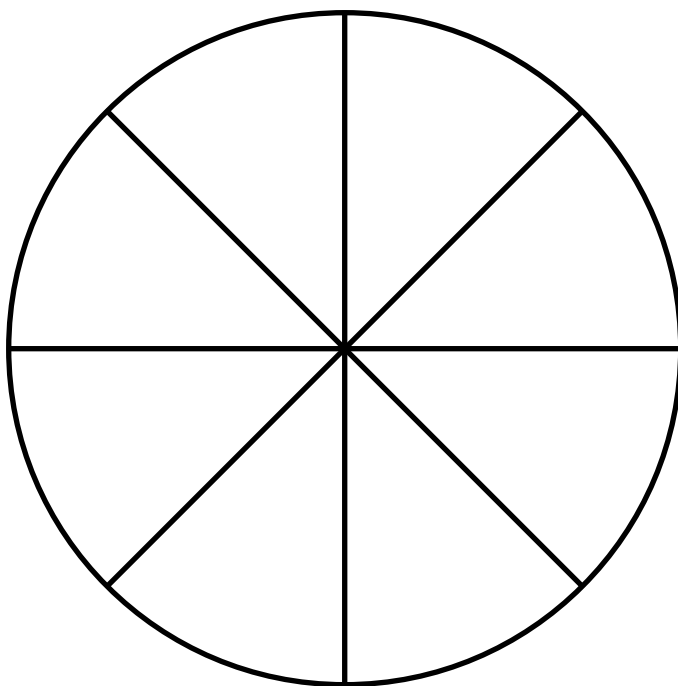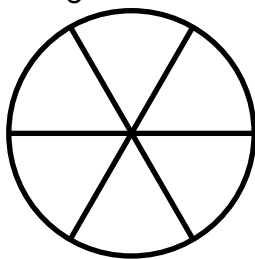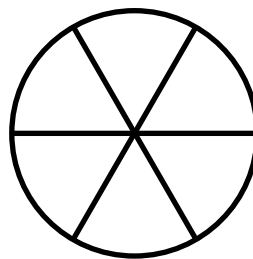
Try This

■ For problem 1, model the fractions using Fraction Circles.

   ● Shade parts on the circles to show the fractions.

   ● Compare the fractions. Write < or > in the ◯.

■ For problem 2, model and sketch the fractions. Write < or >.

■ For problems 3–5, compare the fractions. Write < or >.

1. Model $\frac{5}{8}$ and $\frac{7}{8}$.

$\frac{5}{8}$ ◯ $\frac{7}{8}$

2. Model $\frac{4}{6}$ and $\frac{2}{6}$.

$\frac{4}{6}$ ◯ $\frac{2}{6}$
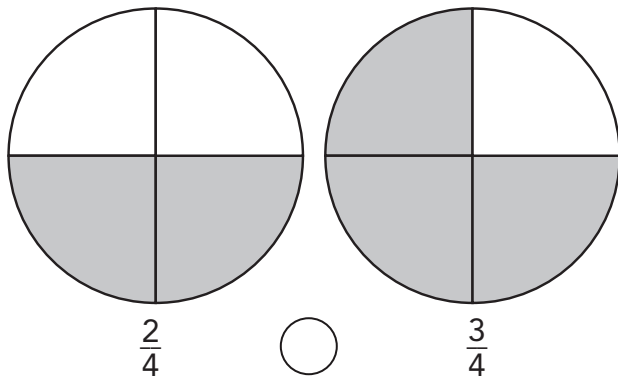
3. $\frac{2}{4}$ ◯ $\frac{3}{4}$ **4.** $\frac{3}{6}$ ◯ $\frac{4}{6}$ **5.** $\frac{2}{3}$ ◯ $\frac{1}{3}$
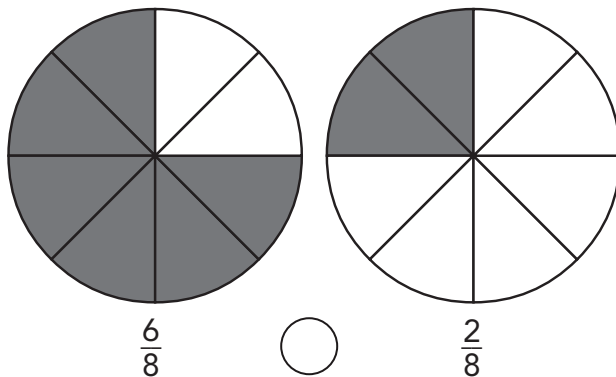
Use Fraction Circles to build the models.
Compare the fractions. Write < or > in the ◯ **.**

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

$\frac{2}{4}$ ◯ $\frac{3}{4}$
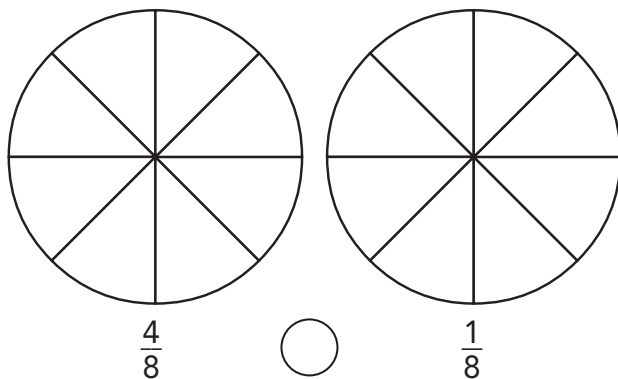
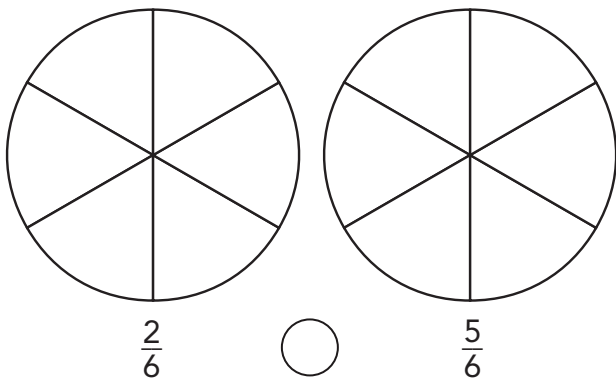**2.** $\frac{6}{8}$ and $\frac{2}{8}$

$\frac{6}{8}$ ◯ $\frac{2}{8}$

Use Fraction Circles to model the given fractions.
Draw the models by shading parts of the circles.
Compare the fractions and write < or > in the ◯ **.**

3. $\frac{4}{8}$ and $\frac{1}{8}$

$\frac{4}{8}$ ◯ $\frac{1}{8}$

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

$\frac{2}{6}$ ◯ $\frac{5}{6}$

Compare the fractions and write < or > in the ◯ **.**

5. $\frac{2}{3}$ ◯ $\frac{1}{3}$

6. $\frac{5}{6}$ ◯ $\frac{3}{6}$

7. $\frac{3}{8}$ ◯ $\frac{2}{8}$

8. $\frac{2}{4}$ ◯ $\frac{3}{4}$

9. $\frac{1}{6}$ ◯ $\frac{4}{6}$

10. $\frac{5}{8}$ ◯ $\frac{8}{8}$

2

Shade one-third of the rectangle.

a. How much is not shaded?

b. Shade more of the rectangle so $\frac{1}{3}$ is **not** shaded.

c. How much is shaded now?

Name _____

Try This

■ For problem 1, model the fractions using Fraction Circles.

   • Shade parts on the circles to show the fractions.

   • Compare the fractions. Write < or > in the ◯.

■ For problem 2, model and sketch the fractions. Write < or >.

■ For problems 3–5, compare the fractions. Write < or >.
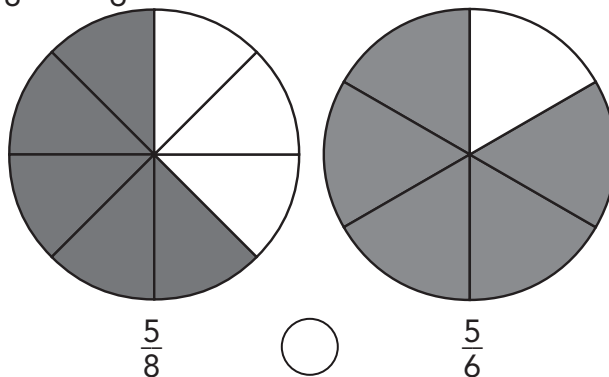
1. Model $\frac{2}{8}$ and $\frac{2}{3}$.
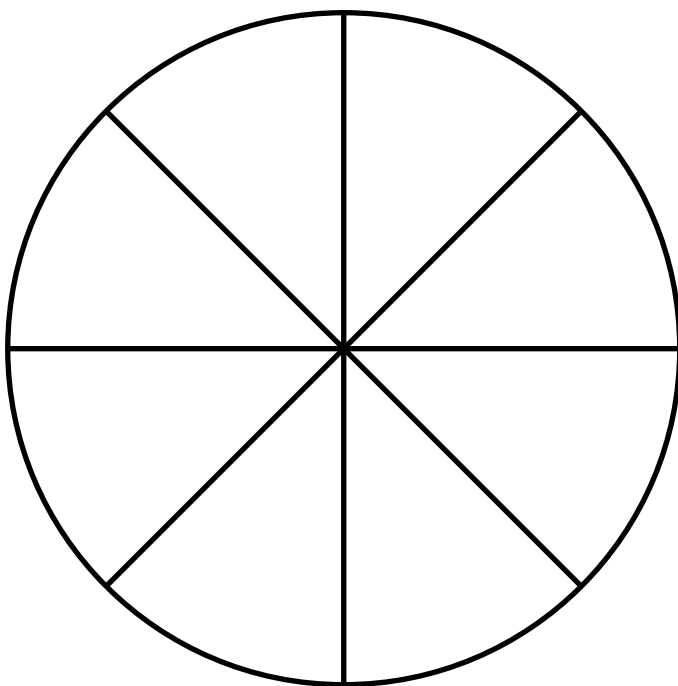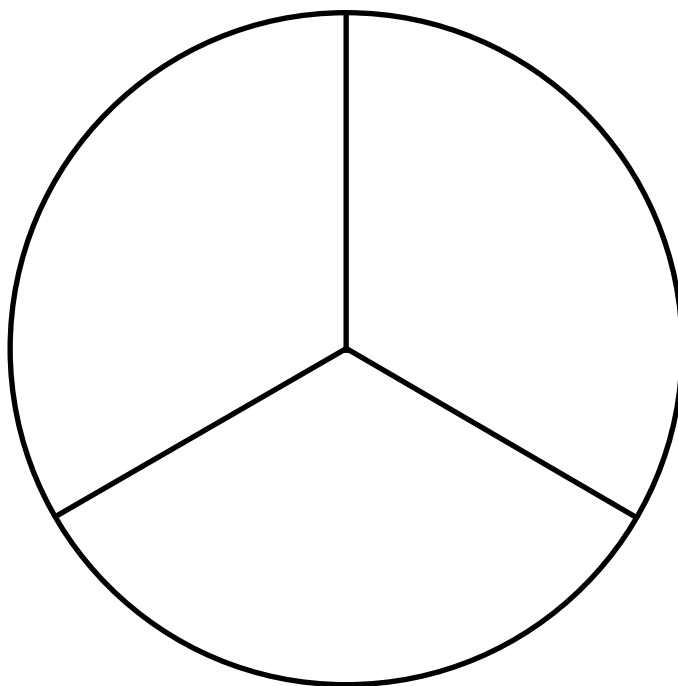
$\frac{2}{8}$ ◯ $\frac{2}{3}$

2. Model $\frac{3}{4}$ and $\frac{3}{6}$.
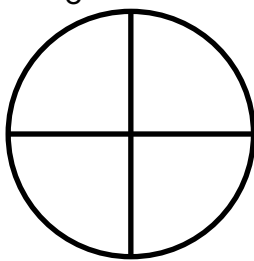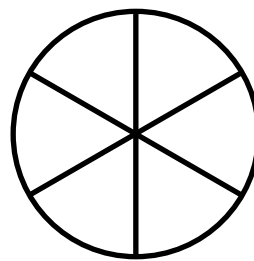
$\frac{3}{4}$ ◯ $\frac{3}{6}$

3. $\frac{2}{3}$ ◯ $\frac{2}{4}$ **4.** $\frac{3}{6}$ ◯ $\frac{3}{8}$ **5.** $\frac{5}{8}$ ◯ $\frac{5}{6}$

Name _____

Use Fraction Circles to build the models.
Compare the fractions. Write < or > in the ◯.

1. $\frac{2}{6}$ and $\frac{2}{4}$

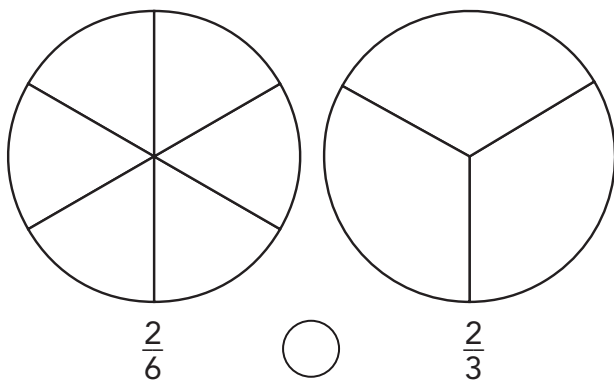$\frac{2}{6}$ ◯ $\frac{2}{4}$
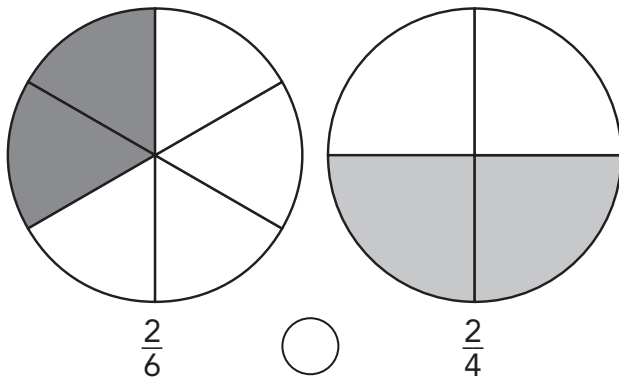
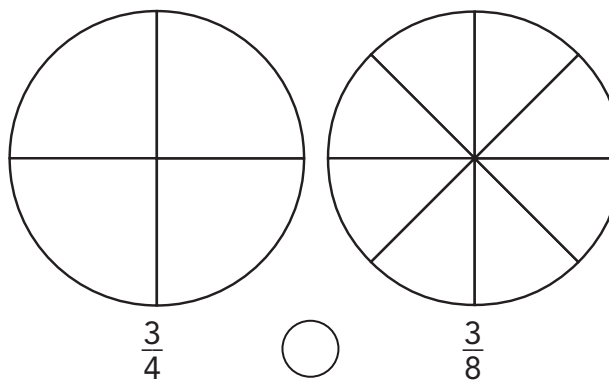**2.** $\frac{5}{8}$ and $\frac{5}{6}$

$\frac{5}{8}$ ◯ $\frac{5}{6}$

Use Fraction Circles to model the given fractions.
Draw the models by shading parts of the circles.
Compare the fractions and write < or > in the ◯.

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

$\frac{2}{6}$ ◯ $\frac{2}{3}$

4. $\frac{3}{4}$ and $\frac{3}{8}$

$\frac{3}{4}$ ◯ $\frac{3}{8}$

Compare the fractions and write < or > in the ◯.

5. $\frac{1}{2}$ ◯ $\frac{1}{4}$

6. $\frac{4}{6}$ ◯ $\frac{4}{4}$

7. $\frac{2}{8}$ ◯ $\frac{2}{4}$

8. $\frac{3}{4}$ ◯ $\frac{3}{6}$

9. $\frac{3}{6}$ ◯ $\frac{3}{8}$

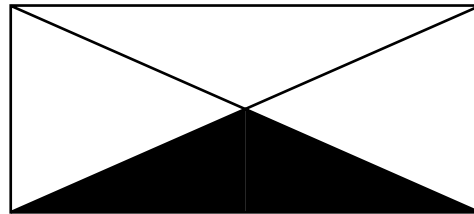**10.** $\frac{1}{3}$ ◯ $\frac{1}{6}$

3

What fraction is the shaded part?

a. more than $\frac{1}{4}$

b. exactly $\frac{1}{4}$

c. less than $\frac{1}{4}$

d. Need more information.

Try This

- For problem 1, use Fraction Circle pieces to find as many fractions as you can between 0 and $\frac{1}{2}$.

- For problem 2, use Fraction Circle pieces to find as many fractions as you can between $\frac{1}{2}$ and 1.

- Write all fractions in simplest form.

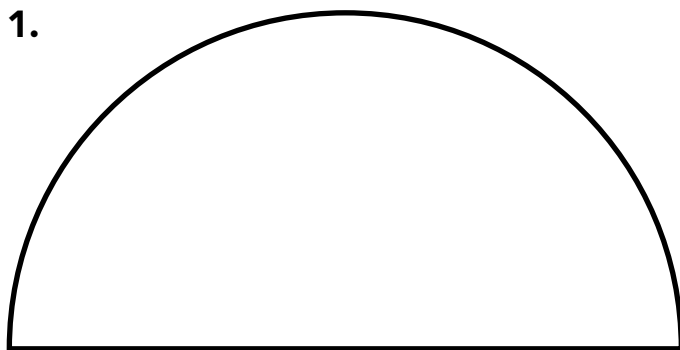- Do not include fractions equal to $\frac{1}{2}$ or 1.
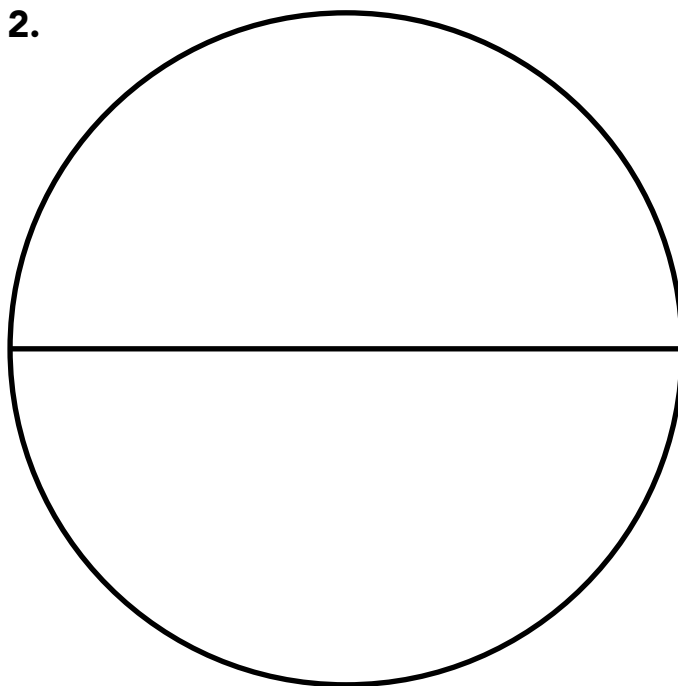
Blue

Blue
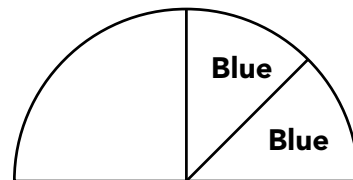
$\frac{2}{8}$ is less than $\frac{1}{2}$.
Think: $\frac{2}{8} = \frac{1}{4}$
So, $\frac{1}{4}$ is less than $\frac{1}{2}$.

1.

2.

____ ____   ____ ____   ____ ____   ____ ____   ____ ____   ____ ____   ____ ____   ____ ____

____ ____   ____ ____   ____ ____   ____ ____   ____ ____   ____ ____   ____ ____   ____ ____

____ ____   ____ ____   ____ ____   ____ ____   ____ ____   ____ ____
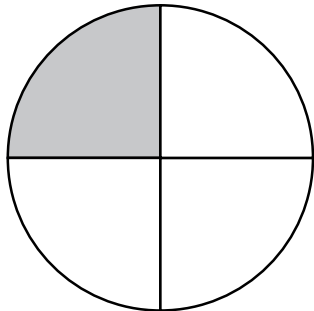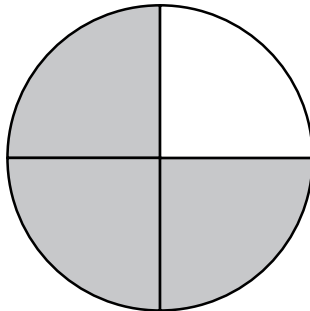
Name _____

Use Fraction Circles to build the models. Compare the fractions to $\frac{1}{2}$. Write the symbol < or >.

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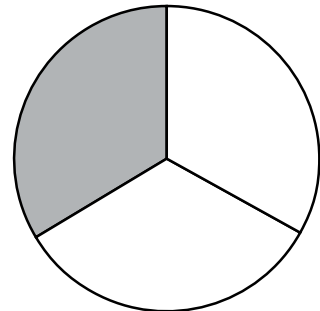
2. $\frac{3}{4}$

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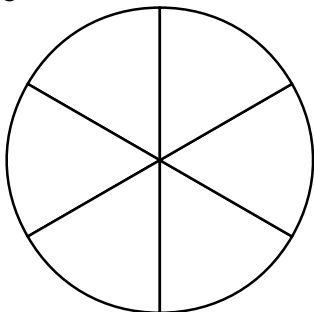
$\frac{1}{4} \bigcirc \frac{1}{2}$

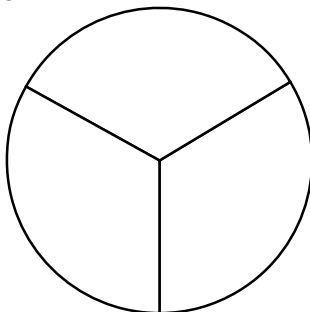$\frac{3}{4} \bigcirc \frac{1}{2}$

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

Use Fraction Circles to model the fractions. Sketch the models by shading parts on the circles. Compare the fractions to $\frac{1}{2}$. Write the symbol < or >.
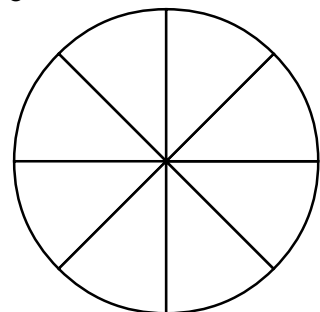
4. $\frac{5}{6}$

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

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

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

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

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

Use Fraction Circles to compare the fractions to $\frac{1}{2}$. Write the symbol < or >.

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

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

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