

Name _____ Date _____

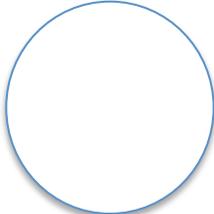
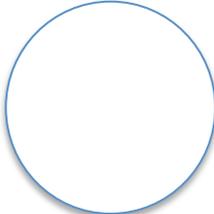
II. Ordering and Comparing Fractions



Lesson Objective: We will use our knowledge of numerators and denominators to order and compare fractions.

Mrs. Hixson & Mr. Huey have apple pies that are the same size. Mrs. Hixson eats $\frac{2}{8}$ of her apple pie. Mr. Huey eats $\frac{5}{8}$ of his. Who ate more pie?

1. Choose the Intro Tab. Build Mrs. Hixson's & Mr. Huey's pies and sketch them below.

Mrs. Hixson's pie	Mr. Huey's pie
	

2. Turn and Talk: Who ate more pie? What did you notice about the fraction that represented the larger portion of pie?

3. Build the following fractions and sketch them in the table below.

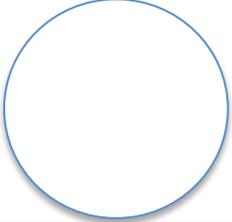
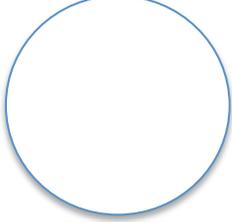
$\frac{2}{6}$	$\frac{1}{6}$	$\frac{5}{6}$	$\frac{3}{6}$
			

4. Put the above fractions in order from least to greatest. _____, _____, _____, _____

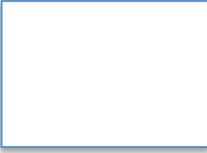
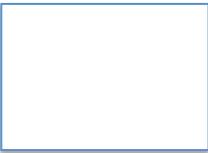
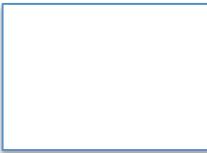
5. Turn and Talk: Is there a rule for ordering/comparing fractions when the bottom number, the denominator, is the same? Write down your thinking!

6. Mrs. Hixson & Mr. Huey have apple pies that are the same size. Mrs. Hixson eats $\frac{1}{8}$ of her apple pie. Mr. Huey eats $\frac{1}{2}$ of his. Who ate more pie?

Build Mrs. Hixson & Mr. Huey's pies and sketch them below.

Mrs. Hixson's pie	Mr. Huey's pie
	

8. Try out these fractions.

$\frac{2}{4}$	$\frac{2}{3}$	$\frac{2}{8}$	$\frac{2}{5}$
			

7. Put the fractions above in order from least to greatest. ____, ____, ____, ____

8. Turn and Talk: With your partner, come up with a rule for ordering and comparing fractions if the numerators are the same but the denominators are different.

Application:

Ava and Mia are comparing the fractions $\frac{2}{3}$ and $\frac{2}{6}$.

Ava says that $\frac{2}{3}$ is greater, but Mia says that $\frac{2}{6}$ is greater. Using this number line, help the girls figure out who is right. Explain your thinking.



Write a fraction that is between $\frac{2}{3}$ and $\frac{2}{6}$.
