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Unit 8
Lesson 6

Vocabulary

## What do you notice A


$\frac{1}{5}$

$1 \frac{4}{8}$
<

\#

## Learn

Jesse draws a circle with 8 equal parts. Jenna draws a circle the same size with 6 equal parts. They each shade 4 parts of their circle.

Whose circle has a greater amount shaded?


When comparing fractions with the same numerators,
the fraction with the lesser denominator is greater.

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## C Work Together

How can you use $>,<$, or $=$ to compare $\frac{5}{3}$ and $\frac{5}{4}$ ? Use the number lines to justify your answer.

$$
\frac{5}{3}>\frac{5}{4} \text { or } \frac{5}{4}<\frac{5}{3}
$$

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58 Lesson 6 . Compare Fractions with the Same Numerator


## On My Own

$7 \pi$



How can you write > or < to make the comparison true?
Shade the representation to justify your reasoning.

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

2. $\frac{4}{8}<\frac{4}{4}$

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

4. $\frac{1}{4}>\frac{1}{6}$


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How can you write > or < to make each comparison true?
Draw a point on each number line to justify your reasoning.

5. $\frac{2}{3}>\frac{2}{8}$
6. $\frac{3}{8}<\frac{3}{6}$


7. $\frac{1}{6}>\frac{1}{8}$

8. $\frac{2}{4}>\frac{2}{8}$

9. Circle the comparisons that are true. Explain your reasoning.

$$
\frac{4}{6}<\frac{4}{8} \quad \frac{3}{2}>\frac{3}{3} \quad \frac{2}{3}<\frac{2}{6} \quad \frac{1}{4}>\frac{1}{8}
$$

Because the fractions have the same numerator, the one's with the greater denominator are greater.
10. Circle the fractions that are greater than $\frac{2}{6}$. Explain how you know.

$$
\frac{2}{2} \frac{2}{3} \quad \frac{2}{4} \quad \frac{2}{6} \quad \frac{2}{8}
$$

Any fraction with a denominator less than 6 is greater
11. STEM Connection Owen searches $\frac{3}{4}$ of Field $A$ for insects. He searches $\frac{3}{8}$ of Field B. Both fields are the same size. Does he search more of Field A or B? Explain how you know.

Field $A$, the numerators are the same so the fraction with the lesser donminator is greater


Does this make sense?

