UNIT 8

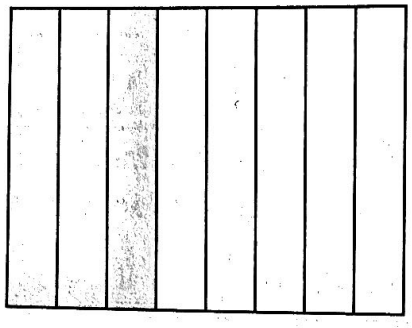
STUDENT BOOK 7 LESSON

Comparing and Ordering Fractions

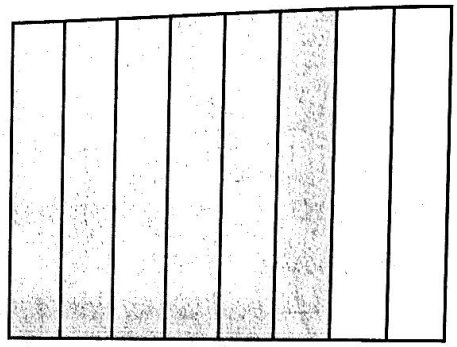
At Home At School

Quick Review

➤ You can compare fractions that have the same denominator. Each part being counted is the same size.



$\frac{3}{8}$



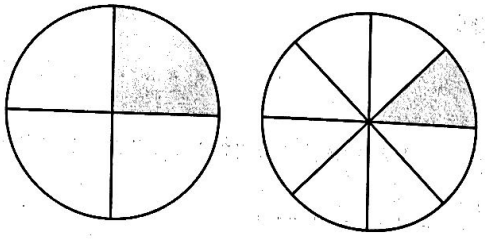
$\frac{6}{8}$

The fewer the parts, the smaller the fraction, so $\frac{3}{8} < \frac{6}{8}$

➤ You can order mixed numbers. First, order according to the whole number part, then the fraction part. $3\frac{4}{8}$, $2\frac{7}{8}$, $3\frac{1}{8}$

From least to greatest: $2\frac{7}{8}$, $3\frac{1}{8}$, $3\frac{4}{8}$

➤ When different fractions have the same numerator, the parts have different sizes.

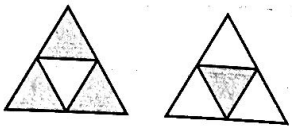


To compare $\frac{1}{4}$ and $\frac{1}{8}$, think about sharing 1 whole. One fourth gives you a bigger piece. So, $\frac{1}{4} > \frac{1}{8}$

Try These

1. Compare the fraction parts.
Write a fraction sentence about the shaded parts using < or >.

a)



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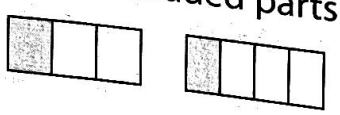
b)



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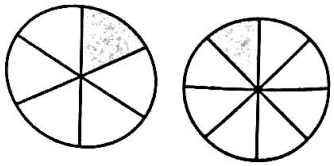
c)



Practice

1. Work with a partner.

   You will need crayons and four strips of paper of the same length for each person.

   - ➤ Each of you folds a strip into any number of equal parts. Colour some of the parts to show a fraction.
   - ➤ Show your strip to your partner and name the fraction.
   - ➤ Compare the fractions by lining the strips up one below the other.
   - ➤ On the lines below, record a fraction sentence using >, <, or =.
   - ➤ Repeat with three more pairs of strips.

   a) _____ **b)** _____

   c) _____ **d)** _____

2. Order these numbers from least to greatest.

   a) $\frac{7}{8}$, $\frac{14}{8}$, $\frac{3}{8}$ _____ **b)** $\frac{9}{10}$, $\frac{4}{10}$, $\frac{6}{10}$ _____

   c) $2\frac{4}{6}$, $\frac{3}{6}$, $4\frac{1}{6}$ _____ **d)** $4\frac{3}{7}$, $2\frac{6}{7}$, $4\frac{4}{7}$ _____

3. Stivi and Zach shared a pizza.
   Stivi ate $\frac{7}{12}$ of the pizza and Zach ate the rest.
   Who ate more? Explain.

   _____

Stretch Your Thinking

1. Write a fraction or a mixed number to make each statement true.

   a) $\frac{8}{9} >$ ____ **b)** $1\frac{1}{2} <$ ____ **c)** ____ $> \frac{3}{8}$ **d)** $\frac{13}{7} <$ ____