





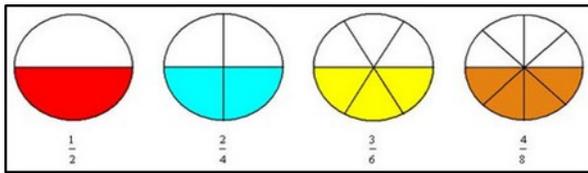
## Comparing Fractions Example

For example, if you are comparing  $\frac{1}{3}$  and  $\frac{5}{8}$ , a fourth grader could create equivalent fractions with the new denominator of 24. The fractions become  $\frac{8}{24}$  ( $\frac{1}{3}$ ) and  $\frac{15}{24}$  ( $\frac{5}{8}$ ). A student could also use  $\frac{1}{2}$  as a benchmark because he should recognize that  $\frac{1}{3}$  is less than  $\frac{1}{2}$  and  $\frac{5}{8}$  is more than  $\frac{1}{2}$ .

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

B.  $\frac{8}{24} \bigcirc \frac{15}{24}$

A. < B. <



## Activity to Try at Home

- Allow your child to explain fractions with measuring cups. Fill the cup with water to the  $\frac{1}{4}$  mark and have your child observe how much water is in the cup. Next fill to the  $\frac{1}{2}$  mark and compare with the  $\frac{1}{4}$  line on the cup. Repeat with other measurements on the cup so that he is able to get a sense of how many fourths is equal to one-half, three-fourths and one cup.

## Check Out These Books!

Below are some suggested books which connect to math content students are learning this cycle.

- *Working with Fractions* by David Adler
- *Fraction Action* by Lareen Leedy
- *Fractions in Disguise: A Math Adventure* by Edward Einhorn
- *If You Were a Fraction* by Trisha Speed Shaskan



# MATH TASK

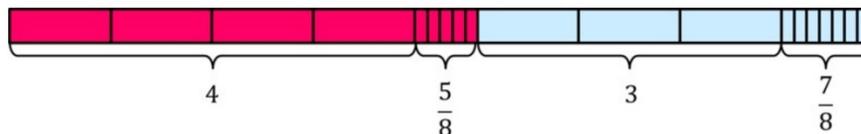
## Cynthia's Perfect Punch

Cynthia is making her famous "Perfect Punch" for a party. After looking through the recipe, Cynthia knows that she needs to mix  $4\frac{5}{8}$  gallons of fruit juice concentrate with  $3\frac{7}{8}$  gallons of sparkling water.

- How much punch will this recipe make?

**Solution:**  $8\frac{1}{2}$  gallons of punch

$$4\frac{5}{8} + 3\frac{7}{8} = (4 + \frac{5}{8}) + (3 + \frac{7}{8})$$



From: *Illustrative Mathematics*

