

# Comparing and Ordering Fractions with the Same Numerator or Denominator



## Quick Review

- Here is one way to order  $\frac{2}{5}$ ,  $\frac{4}{5}$ , and  $\frac{1}{5}$  from greatest to least. The fractions have the same denominator, so the parts being counted have the same size.

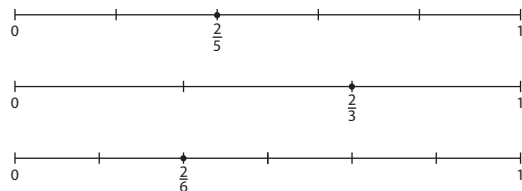
$\frac{4}{5}$  has the most parts, so it is the greatest.

$\frac{1}{5}$  has the fewest parts, so it is the least.

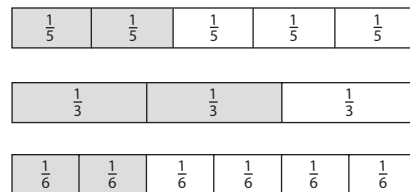
From greatest to least:  $\frac{4}{5}, \frac{2}{5}, \frac{1}{5}$

- Here are two ways to order  $\frac{2}{5}$ ,  $\frac{2}{3}$ , and  $\frac{2}{6}$  from least to greatest. The fractions have the same numerator but different denominators, so the parts being counted have different sizes.

- Use number lines.



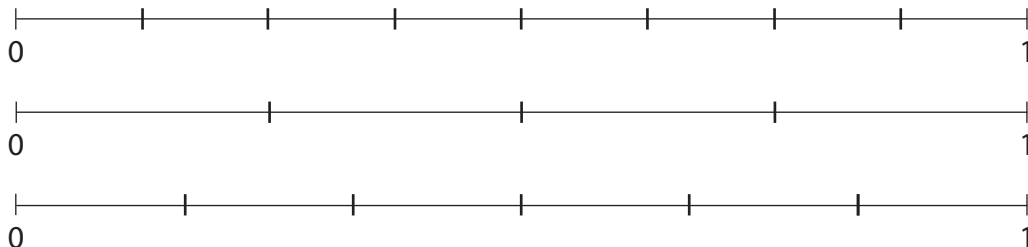
- Use strips.



From least to greatest:  $\frac{2}{6}, \frac{2}{5}, \frac{2}{3}$

## Try These

- Use the number lines to order  $\frac{3}{8}$ ,  $\frac{3}{4}$ , and  $\frac{3}{6}$ .

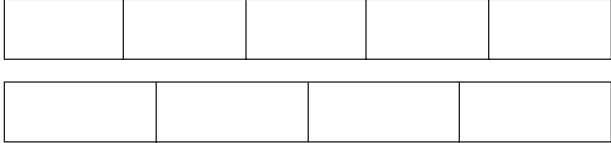


From greatest to least: \_\_\_\_\_

## Practice

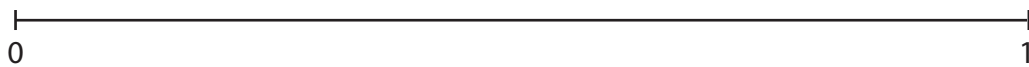
1. Colour the strips to show the fractions.

Use  $>$  or  $<$  to compare the fractions.

a)   $\frac{3}{5} - \frac{3}{4}$

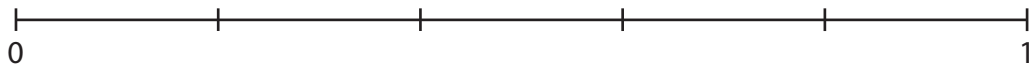
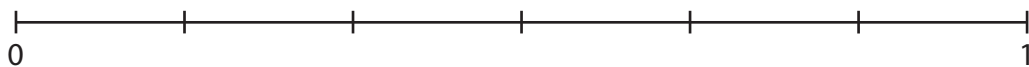
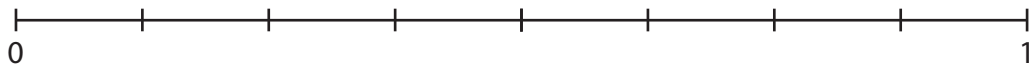
b)   $\frac{4}{10} - \frac{3}{10}$

2. Estimate to place  $\frac{2}{8}$  and  $\frac{2}{4}$  on the number line.



Which fraction is greater? \_\_\_\_\_

3. Use the 3 number lines to order  $\frac{4}{8}$ ,  $\frac{4}{6}$ ,  $\frac{4}{5}$ .



From least to greatest: \_\_\_\_\_

## Stretch Your Thinking

Fold and colour paper strips to show each pair of fractions.

Use  $<$  or  $>$  to compare the fractions.

a)  $\frac{4}{8}$  \_\_\_  $\frac{4}{6}$

b)  $\frac{3}{5}$  \_\_\_  $\frac{3}{4}$

c)  $\frac{2}{3}$  \_\_\_  $\frac{2}{5}$