Compare fractions

1. Write <, > or = to compare the fractions.
   Use the bar models to help you.
   a) \(\frac{5}{8}\) \(\frac{3}{8}\)
   b) \(\frac{5}{8}\) \(\frac{7}{8}\)
   c) \(\frac{2}{7}\) \(\frac{6}{7}\)

2. Write <, > or = to compare the fractions.
   a) \(\frac{1}{5}\) \(\frac{3}{5}\)
   b) \(\frac{2}{5}\) \(\frac{2}{5}\)
   c) \(\frac{6}{13}\) \(\frac{12}{13}\)
   d) \(\frac{6}{7}\) \(\frac{2}{7}\)
   e) \(\frac{13}{15}\) \(\frac{13}{15}\)

3. Here are some bar models.
   a) Shade the bar models to represent the fractions.
   b) Write < or > to compare the fractions.
      Use the bar models to help you.

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4. What could the missing numerators and denominators be?
Give three examples for each.

**Example:**

\[
\frac{1}{5} \times \frac{2}{5} \quad \frac{1}{5} \times \frac{3}{5} \quad \frac{1}{5} \times \frac{4}{5}
\]

5. Jack is comparing fractions.

\(\frac{1}{8}\) is greater than \(\frac{1}{4}\) because 8 is greater than 4

Draw bar models to show that Jack is wrong.

6. Sort the fractions into the circles.

\[
\begin{align*}
\text{greater than } & \frac{1}{6} \\
\frac{5}{6} & \quad \frac{1}{8} & \quad \frac{1}{2} & \quad \frac{2}{6} & \quad \frac{1}{12} & \quad \frac{3}{6} \\
\text{less than } & \frac{1}{6} \\
\frac{1}{6} & \quad \frac{1}{8} & \quad \frac{1}{2} & \quad \frac{2}{6} & \quad \frac{1}{12} & \quad \frac{3}{6}
\end{align*}
\]

7. Complete the sentences using the word bank.

**Example:**

- a) When fractions have the same denominator, the greater
  the **numerator**, the **greater** the fraction.

- b) When fractions have the same numerator, the greater the
  **denominator**, the **smaller** the fraction.