

One way to compare fractions is to find equivalent fractions. With more complex fractions, using the cross-products method can save time.

Example:

Compare $\frac{5}{8}$ and $\frac{3}{5}$.

first product

second product



First product: $5 \times 5 = 25$

Second product: $8 \times 3 = 24$

Since $25 > 24$, then $\frac{5}{8} > \frac{3}{5}$.

Use cross products to compare. Write $>$, $<$, or $=$.

1. $\frac{5}{6} \bigcirc \frac{8}{9}$

3. $\frac{2}{9} \bigcirc \frac{8}{36}$

5. $\frac{8}{30} \bigcirc \frac{6}{24}$

2. $\frac{3}{8} \bigcirc \frac{4}{9}$

4. $\frac{2}{15} \bigcirc \frac{3}{20}$

6. $\frac{5}{8} \bigcirc \frac{6}{11}$