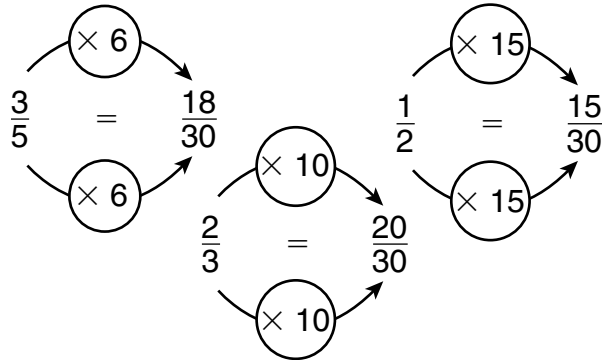# Compare and Order Fractions

Compare $\frac{3}{5}$, $\frac{2}{3}$, and $\frac{1}{2}$. Order the fractions from greatest to least.

Find equivalent fractions with a common denominator.

$$\frac{3}{5} \overset{\times 6}{\underset{\times 6}{=}} \frac{18}{30}$$

$$\frac{2}{3} \overset{\times 10}{\underset{\times 10}{=}} \frac{20}{30}$$

$$\frac{1}{2} \overset{\times 15}{\underset{\times 15}{=}} \frac{15}{30}$$

Compare the numerators.

$$20 > 18 > 15$$

$$\frac{20}{30} > \frac{18}{30} > \frac{15}{30}$$
$$\downarrow \quad\quad \downarrow \quad\quad \downarrow$$
$$\frac{2}{3} > \frac{3}{5} > \frac{1}{2}$$

The order of the fractions from greatest to least is $\frac{2}{3}, \frac{3}{5}, \frac{1}{2}$.

Compare. Write >, <, or = for each $\bigcirc$.

1. $\frac{3}{4} \bigcirc \frac{1}{8}$

2. $\frac{1}{3} \bigcirc \frac{2}{9}$

3. $\frac{5}{10} \bigcirc \frac{3}{5}$

4. $\frac{3}{8} \bigcirc \frac{2}{6}$

5. $\frac{3}{8} \bigcirc \frac{6}{16}$

6. $\frac{5}{7} \bigcirc \frac{28}{35}$

7. $\frac{4}{6} \bigcirc \frac{4}{5}$

8. $\frac{2}{7} \bigcirc \frac{3}{6}$

Order each group of fractions from greatest to least.
Draw number lines to help if you wish.

9. $\frac{3}{5} \quad \frac{1}{5} \quad \frac{1}{6}$

10. $\frac{4}{8} \quad \frac{1}{4} \quad \frac{5}{8}$

11. $\frac{1}{3} \quad \frac{3}{6} \quad \frac{1}{6}$

12. $\frac{3}{21} \quad \frac{7}{21} \quad \frac{2}{7}$

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13. $\frac{4}{10} \quad \frac{1}{5} \quad \frac{3}{10}$

14. $\frac{5}{6} \quad \frac{2}{6} \quad \frac{11}{12}$

15. $\frac{12}{25} \quad \frac{5}{25} \quad \frac{2}{5}$

16. $\frac{5}{9} \quad \frac{6}{9} \quad \frac{1}{18}$

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Use with text pages 498–500.