

TARGET To compare and order fractions with different denominators.

To order fractions with different denominators convert one or more so that they have the same denominator.

Example Write in order smallest first, $\frac{1}{3}$, $\frac{10}{5}$, $\frac{2}{5}$.

$\frac{1}{2} = \frac{10}{20}$ $\frac{2}{5} = \frac{8}{20}$ $\frac{10}{5} = \frac{40}{20}$ Answer $\frac{2}{5}$, $\frac{10}{5}$, $\frac{1}{2}$

A Which fraction is larger?

- 1 $\frac{5}{3}$ or $\frac{5}{4}$
- 2 $\frac{3}{2}$ or $\frac{7}{2}$
- 3 $\frac{10}{8}$ or $\frac{10}{7}$
- 4 $\frac{12}{5}$ or $\frac{9}{5}$
- 5 $\frac{9}{4}$ or $\frac{6}{4}$
- 6 $\frac{8}{3}$ or $\frac{11}{3}$
- 7 $\frac{7}{5}$ or $\frac{7}{6}$
- 8 $\frac{11}{6}$ or $\frac{12}{6}$

Copy and complete to find the larger fraction.

9 $\frac{1}{5}$ or $\frac{2}{5}$ → $\frac{\square}{12}$ or $\frac{12}{5}$

\square is larger.

10 $\frac{4}{9}$ or $\frac{5}{9}$ → $\frac{\square}{10}$ or $\frac{10}{9}$

\square is larger.

11 $\frac{3}{5}$ or $\frac{4}{8}$ → $\frac{\square}{8}$ or $\frac{8}{5}$

\square is larger.

12 $\frac{1}{4}$ or $\frac{2}{10}$ → $\frac{\square}{10}$ or $\frac{10}{4}$

\square is larger.

13 $\frac{3}{1}$ or $\frac{6}{6}$ → $\frac{\square}{1}$ or $\frac{6}{6}$

\square is larger.

14 $\frac{3}{2}$ or $\frac{9}{7}$ → $\frac{\square}{9}$ or $\frac{9}{7}$

\square is larger.

B To find the larger fraction convert one of each pair so that they share a common denominator.

- 1 $\frac{6}{5}$ or $\frac{11}{12}$
- 2 $\frac{3}{1}$ or $\frac{12}{3}$
- 3 $\frac{10}{5}$ or $\frac{100}{51}$
- 4 $\frac{5}{2}$ or $\frac{10}{3}$
- 5 $\frac{2}{1}$ or $\frac{8}{5}$
- 6 $\frac{4}{3}$ or $\frac{12}{8}$

To find the larger fraction convert both fractions so that they share a common denominator.

- 7 $\frac{3}{2}$ or $\frac{5}{4}$
- 8 $\frac{4}{1}$ or $\frac{6}{2}$
- 9 $\frac{3}{5}$ or $\frac{7}{12}$
- 10 $\frac{6}{4}$ or $\frac{9}{5}$
- 11 $\frac{2}{1}$ or $\frac{7}{4}$
- 12 $\frac{8}{3}$ or $\frac{12}{5}$

Write these fractions in order, smallest first.

13 $\frac{2}{3}$, $\frac{8}{4}$, $\frac{1}{1}$

14 $\frac{2}{1}$, $\frac{1}{1}$, $\frac{2}{3}$

15 $\frac{5}{2}$, $\frac{5}{3}$, $\frac{2}{10}$

16 $\frac{4}{3}$, $\frac{8}{7}$, $\frac{12}{2}$

17 $\frac{6}{5}$, $\frac{2}{2}$, $\frac{12}{5}$

18 $\frac{3}{4}$, $\frac{1}{2}$, $\frac{10}{6}$

C Write the larger fraction.

- 1 $\frac{6}{5}$ or $\frac{10}{7}$
- 2 $\frac{4}{9}$ or $\frac{11}{12}$
- 3 $\frac{1}{2}$ or $\frac{4}{9}$
- 4 $\frac{7}{4}$ or $\frac{7}{12}$
- 5 $\frac{3}{4}$ or $\frac{4}{5}$
- 6 $\frac{4}{9}$ or $\frac{12}{5}$
- 7 $\frac{2}{5}$ or $\frac{3}{8}$
- 8 $\frac{5}{7}$ or $\frac{7}{9}$

Write in ascending order.

- 9 $\frac{6}{5}$, $\frac{3}{2}$, $\frac{9}{7}$, $\frac{12}{2}$
- 10 $\frac{3}{3}$, $\frac{1}{7}$, $\frac{10}{55}$
- 11 $\frac{1}{5}$, $\frac{2}{7}$, $\frac{16}{4}$
- 12 $\frac{3}{8}$, $\frac{4}{12}$, $\frac{6}{5}$, $\frac{5}{4}$

Find the fraction which is halfway between each pair of numbers.

- 13 $\frac{2}{1}$ and $\frac{4}{3}$
- 14 $\frac{5}{1}$ and $\frac{5}{2}$
- 15 $\frac{6}{1}$ and $\frac{3}{1}$
- 16 $\frac{8}{5}$ and $\frac{3}{4}$
- 17 $\frac{12}{7}$ and $\frac{3}{2}$
- 18 $\frac{2}{1}$ and $\frac{8}{5}$
- 19 $\frac{5}{4}$ and $\frac{10}{9}$
- 20 $\frac{3}{1}$ and $\frac{2}{1}$