

TARGET To compare and order fractions, including improper fractions.

Examples

Which fraction is larger:

1 $\frac{4}{5}$ or $\frac{7}{10}$
 $\frac{8}{10}$ or $\frac{7}{10}$
 $\frac{4}{5}$ is larger

2 $\frac{7}{4}$ or $\frac{11}{6}$
 $\frac{21}{12}$ or $\frac{22}{12}$
 $\frac{11}{6}$ is larger

Arrange $\frac{3}{4}$, $\frac{3}{2}$, $\frac{4}{3}$, $\frac{5}{6}$ in ascending order.

$\frac{3}{4} = \frac{9}{12}$ $\frac{3}{2} = \frac{18}{12}$ $\frac{4}{3} = \frac{16}{12}$ $\frac{5}{6} = \frac{10}{12}$

The correct order is $\frac{5}{6}$, $\frac{3}{4}$, $\frac{4}{3}$, $\frac{3}{2}$.

A

- 1 Which of the fractions in the box are:
 a) less than half
 b) one half
 c) between half and 1
 d) greater than 1?

$\frac{40}{100}$ $\frac{4}{6}$ $\frac{13}{12}$ $\frac{10}{40}$ $\frac{25}{50}$
 $\frac{19}{16}$ $\frac{8}{14}$ $\frac{4}{8}$ $\frac{25}{20}$ $\frac{3}{7}$

Copy and complete to find the larger fraction.

2 $\frac{5}{8}$ or $\frac{1}{2} \rightarrow \frac{5}{8}$ or $\frac{\square}{8}$
 $\square$ is larger.

3 $\frac{3}{10}$ or $\frac{2}{5} \rightarrow \frac{3}{10}$ or $\frac{\square}{10}$
 $\square$ is larger.

4 $\frac{7}{12}$ or $\frac{3}{4} \rightarrow \frac{7}{12}$ or $\frac{\square}{12}$
 $\square$ is larger.

5 $\frac{1}{3}$ or $\frac{2}{9} \rightarrow \frac{\square}{9}$ or $\frac{2}{9}$
 $\square$ is larger.

Write > or < in each box.

6 $\frac{1}{2} \square \frac{4}{10}$ 10 $\frac{2}{12} \square \frac{1}{4}$
 7 $\frac{3}{4} \square \frac{7}{8}$ 11 $\frac{4}{7} \square \frac{1}{2}$
 8 $\frac{1}{3} \square \frac{3}{6}$ 12 $\frac{6}{12} \square \frac{2}{3}$
 9 $\frac{4}{5} \square \frac{15}{20}$ 13 $\frac{7}{10} \square \frac{3}{5}$

B

Write > or < in each box.

1 $\frac{2}{10} \square \frac{1}{4}$ 5 $\frac{7}{6} \square \frac{10}{8}$
 2 $\frac{2}{3} \square \frac{4}{7}$ 6 $\frac{5}{3} \square \frac{8}{5}$
 3 $\frac{5}{6} \square \frac{3}{4}$ 7 $\frac{9}{4} \square \frac{20}{9}$
 4 $\frac{3}{8} \square \frac{5}{12}$ 8 $\frac{17}{10} \square \frac{21}{12}$

Arrange in ascending order.

9 $\frac{3}{4}$, $\frac{7}{12}$, $\frac{2}{3}$
 10 $\frac{11}{20}$, $\frac{6}{10}$, $\frac{1}{2}$
 11 $\frac{5}{12}$, $\frac{1}{3}$, $\frac{1}{6}$, $\frac{1}{4}$
 12 $\frac{3}{5}$, $\frac{1}{2}$, $\frac{2}{3}$, $\frac{8}{15}$
 13 $\frac{1}{4}$, $\frac{3}{2}$, $\frac{1}{8}$, $\frac{3}{16}$
 14 $\frac{74}{100}$, $\frac{4}{5}$, $\frac{5}{4}$, $\frac{7}{10}$
 15 $\frac{5}{3}$, $\frac{9}{6}$, $\frac{7}{4}$, $\frac{17}{12}$
 16 $\frac{7}{5}$, $\frac{3}{2}$, $\frac{13}{10}$, $\frac{145}{100}$

Find the number which lies halfway between:

17 $\frac{1}{5}$ and $\frac{2}{5}$
 18 $\frac{3}{8}$ and $\frac{1}{4}$
 19 $\frac{1}{3}$ and $\frac{1}{2}$
 20 $\frac{7}{10}$ and $\frac{4}{5}$
 21 $\frac{5}{6}$ and 1
 22 $\frac{3}{4}$ and $\frac{2}{3}$
 23 1 and $\frac{11}{8}$
 24 $\frac{3}{2}$ and $\frac{9}{5}$

C

Arrange in ascending order.

1 $\frac{2}{6}$, $\frac{1}{5}$, $\frac{2}{7}$, $\frac{1}{4}$
 2 $\frac{3}{4}$, $\frac{2}{3}$, $\frac{7}{8}$, $\frac{7}{12}$
 3 $\frac{1}{4}$, $\frac{2}{5}$, $\frac{2}{9}$, $\frac{3}{10}$
 4 $\frac{11}{12}$, $\frac{5}{6}$, $\frac{2}{3}$, $\frac{4}{5}$
 5 $\frac{3}{2}$, $\frac{10}{7}$, $\frac{7}{4}$, $\frac{25}{16}$
 6 $\frac{13}{9}$, $\frac{9}{6}$, $\frac{11}{8}$, $\frac{5}{4}$
 7 $\frac{9}{5}$, $\frac{7}{4}$, $\frac{15}{8}$, $\frac{17}{10}$
 8 $\frac{19}{12}$, $\frac{14}{9}$, $\frac{5}{3}$, $\frac{13}{8}$

Find the number which lies halfway between:

9 $\frac{1}{5}$ and $\frac{1}{4}$
 10 $\frac{1}{3}$ and $\frac{5}{9}$
 11 $\frac{3}{2}$ and $\frac{7}{4}$
 12 $\frac{13}{10}$ and $\frac{7}{5}$
 13 $\frac{7}{6}$ and $\frac{4}{3}$
 14 $\frac{3}{2}$ and $\frac{5}{3}$
 15 $\frac{1}{4}$ and $\frac{2}{7}$
 16 $\frac{23}{12}$ and $\frac{15}{8}$

Write > or < in each box.

17 $\frac{7}{10} + \frac{1}{3} \square \frac{2}{5} + \frac{2}{3}$
 18 $\frac{3}{4} + \frac{2}{5} \square \frac{3}{5} + \frac{1}{2}$
 19 $\frac{3}{4} - \frac{2}{3} \square \frac{5}{6} - \frac{3}{4}$
 20 $\frac{5}{9} + \frac{5}{6} \square \frac{1}{2} + \frac{11}{12}$