

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.

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

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

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 $\frac{5}{9} + \frac{5}{6} \square \frac{1}{2} + \frac{11}{12}$