

Compare and Order Fractions

Aim: To compare and order fractions, including fractions > 1 .

Top tip: Converting fractions to their decimal equivalents or changing fractions to have common denominators, makes them easier to compare.

1. Compare these fractions using the $<$ and $>$ symbols.

$$\frac{1}{2} \quad \square \quad \frac{2}{5}$$

$$\frac{1}{2} \quad \square \quad \frac{5}{8}$$

$$\frac{3}{8} \quad \square \quad \frac{2}{5}$$

$$\frac{7}{10} \quad \square \quad \frac{5}{8}$$

$$\frac{1}{4} \quad \square \quad \frac{1}{5}$$

$$\frac{3}{4} \quad \square \quad \frac{7}{10}$$

$$\frac{1}{8} \quad \square \quad \frac{1}{5}$$

$$\frac{4}{5} \quad \square \quad \frac{3}{4}$$

$$\frac{1}{4} \quad \square \quad \frac{3}{8}$$

$$\frac{4}{5} \quad \square \quad \frac{1}{2}$$

2. Put the following fractions in order from smallest to largest.

$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{9}{10}$	$1\frac{1}{8}$	$1\frac{5}{8}$	$1\frac{4}{5}$	$1\frac{2}{5}$	$1\frac{7}{10}$
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Smallest \longrightarrow Largest

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$$\frac{1}{2} \boxed{>} \frac{2}{5}$$

$$\frac{1}{2} \boxed{<} \frac{5}{8}$$

$$\frac{3}{8} \boxed{<} \frac{2}{5}$$

$$\frac{7}{10} \boxed{>} \frac{5}{8}$$

$$\frac{1}{4} \boxed{>} \frac{1}{5}$$

$$\frac{3}{4} \boxed{>} \frac{7}{10}$$

$$\frac{1}{8} \boxed{<} \frac{1}{5}$$

$$\frac{4}{5} \boxed{>} \frac{3}{4}$$

$$\frac{1}{4} \boxed{<} \frac{3}{8}$$

$$\frac{4}{5} \boxed{>} \frac{1}{2}$$

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$1\frac{1}{8}$	$1\frac{2}{5}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{7}{10}$	$1\frac{3}{4}$	$1\frac{4}{5}$	$1\frac{9}{10}$
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Top tip: Converting fractions to their decimal equivalents or changing fractions to have common denominators, makes them easier to compare.

1. Compare these fractions using the $<$ and $>$ symbols. Simplify the fractions if necessary.

$$\frac{10}{20} \quad \square \quad \frac{2}{5}$$

$$\frac{1}{2} \quad \square \quad \frac{10}{16}$$

$$\frac{3}{8} \quad \square \quad \frac{8}{20}$$

$$\frac{14}{20} \quad \square \quad \frac{5}{8}$$

$$\frac{3}{12} \quad \square \quad \frac{1}{5}$$

$$\frac{3}{4} \quad \square \quad \frac{21}{30}$$

$$\frac{1}{8} \quad \square \quad \frac{5}{25}$$

$$\frac{24}{30} \quad \square \quad \frac{3}{4}$$

$$\frac{6}{24} \quad \square \quad \frac{3}{8}$$

$$\frac{7}{8} \quad \square \quad \frac{22}{24}$$

2. Put the following fractions in order from smallest to largest.

$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{9}{10}$	$1\frac{1}{8}$	$1\frac{21}{40}$	$1\frac{14}{20}$	$1\frac{6}{16}$	$1\frac{7}{10}$
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$$\frac{10}{20} \boxed{>} \frac{2}{5}$$

$$\frac{1}{2} \boxed{<} \frac{10}{16}$$

$$\frac{3}{8} \boxed{<} \frac{8}{20}$$

$$\frac{14}{20} \boxed{>} \frac{5}{8}$$

$$\frac{3}{12} \boxed{>} \frac{1}{5}$$

$$\frac{3}{4} \boxed{>} \frac{21}{30}$$

$$\frac{1}{8} \boxed{<} \frac{5}{25}$$

$$\frac{24}{30} \boxed{>} \frac{3}{4}$$

$$\frac{6}{24} \boxed{<} \frac{3}{8}$$

$$\frac{7}{8} \boxed{<} \frac{22}{24}$$

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$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{9}{10}$	$1\frac{1}{8}$	$1\frac{21}{40}$	$1\frac{14}{20}$	$1\frac{6}{16}$	$1\frac{7}{10}$
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$1\frac{1}{8}$	$1\frac{6}{16}$	$1\frac{1}{2}$	$1\frac{21}{40}$	$1\frac{7}{10}$	$1\frac{14}{20}$	$1\frac{3}{4}$	$1\frac{9}{10}$
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$$\frac{10}{20} \quad \square \quad \frac{6}{15}$$

$$\frac{3}{6} \quad \square \quad \frac{10}{18}$$

$$\frac{9}{24} \quad \square \quad \frac{8}{20}$$

$$\frac{14}{20} \quad \square \quad \frac{15}{24}$$

$$\frac{3}{12} \quad \square \quad \frac{2}{10}$$

$$\frac{8}{12} \quad \square \quad \frac{12}{16}$$

$$\frac{8}{9} \quad \square \quad \frac{6}{7}$$

$$\frac{24}{30} \quad \square \quad \frac{15}{20}$$

$$\frac{6}{24} \quad \square \quad \frac{6}{16}$$

$$\frac{12}{15} \quad \square \quad \frac{13}{20}$$

2. Put the following fractions in order from smallest to largest.

$\frac{3}{2}$	$\frac{7}{4}$	$\frac{19}{10}$	$\frac{9}{8}$	$\frac{13}{8}$	$\frac{9}{5}$	$\frac{7}{5}$	$\frac{17}{10}$
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$$\frac{3}{6} \quad \boxed{<} \quad \frac{10}{18}$$

$$\frac{9}{24} \quad \boxed{<} \quad \frac{8}{20}$$

$$\frac{14}{20} \quad \boxed{>} \quad \frac{15}{24}$$

$$\frac{3}{12} \quad \boxed{>} \quad \frac{2}{10}$$

$$\frac{8}{12} \quad \boxed{<} \quad \frac{12}{16}$$

$$\frac{8}{9} \quad \boxed{<} \quad \frac{6}{7}$$

$$\frac{24}{30} \quad \boxed{>} \quad \frac{15}{20}$$

$$\frac{6}{24} \quad \boxed{<} \quad \frac{6}{16}$$

$$\frac{12}{15} \quad \boxed{>} \quad \frac{13}{20}$$

2. Put the following fractions in order from smallest to largest.

$\frac{3}{2}$	$\frac{7}{4}$	$\frac{19}{10}$	$\frac{9}{8}$	$\frac{13}{8}$	$\frac{9}{5}$	$\frac{7}{5}$	$\frac{17}{10}$
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$\frac{9}{8}$	$\frac{7}{5}$	$\frac{3}{2}$	$\frac{13}{8}$	$\frac{17}{10}$	$\frac{7}{4}$	$\frac{9}{5}$	$\frac{19}{10}$
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