Comparing and Ordering Fractions

I can compare and order fractions with denominators that are all multiples of the same number.

Choose pairs of these fractions to compare using the less than < or greater than > symbols.

$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{7}{8}$

$\frac{1}{2} < \frac{3}{4}$ $\square$ $\square$ $\square$ $\square$ $\square$ $\square$

$\square$ $\square$ $\square$ $\square$ $\square$ $\square$

Put these groups of fractions in order from smallest to largest.

$\frac{2}{3}$	$\frac{1}{3}$	$\frac{5}{6}$	$\frac{3}{6}$	$\frac{9}{12}$	$\frac{2}{12}$
Smallest					Largest

$\frac{4}{5}$	$\frac{1}{5}$	$\frac{6}{10}$	$\frac{3}{10}$	$\frac{7}{20}$	$\frac{15}{20}$
Smallest					Largest

Comparing and Ordering Fractions

Answers

I can compare and order fractions with denominators that are all multiples of the same number.

Possible comparison statements could be:

$\frac{1}{2}$ or $\frac{4}{8}$ > $\frac{1}{4}$ or $\frac{2}{8}$	$\frac{1}{4}$ or $\frac{2}{8}$ < $\frac{1}{2}$ or $\frac{4}{8}$	$\frac{3}{4}$ or $\frac{6}{8}$ > $\frac{1}{2}$ or $\frac{4}{8}$
$\frac{1}{2}$ or $\frac{4}{8}$ < $\frac{3}{4}$ or $\frac{6}{8}$	$\frac{1}{4}$ or $\frac{2}{8}$ < $\frac{3}{4}$ or $\frac{6}{8}$	$\frac{3}{4}$ or $\frac{6}{8}$ > $\frac{1}{4}$ or $\frac{2}{8}$

$\frac{3}{8}$ < $\frac{1}{2}$ or $\frac{4}{8}$	$\frac{5}{8}$ > $\frac{1}{2}$ or $\frac{4}{8}$	$\frac{7}{8}$ > $\frac{1}{2}$ or $\frac{4}{8}$	$\frac{3}{8}$ > $\frac{1}{4}$ or $\frac{2}{8}$	$\frac{5}{8}$ > $\frac{1}{4}$ or $\frac{2}{8}$
$\frac{7}{8}$ > $\frac{1}{4}$ or $\frac{2}{8}$	$\frac{3}{8}$ < $\frac{3}{4}$ or $\frac{6}{8}$	$\frac{5}{8}$ < $\frac{3}{4}$ or $\frac{6}{8}$	$\frac{7}{8}$ > $\frac{3}{4}$ or $\frac{6}{8}$	$\frac{1}{2}$ or $\frac{4}{8}$ > $\frac{3}{8}$
$\frac{1}{4}$ or $\frac{2}{8}$ < $\frac{3}{8}$	$\frac{3}{4}$ or $\frac{6}{8}$ > $\frac{3}{8}$	$\frac{1}{2}$ or $\frac{4}{8}$ < $\frac{5}{8}$	$\frac{1}{4}$ or $\frac{2}{8}$ < $\frac{5}{8}$	$\frac{3}{4}$ or $\frac{6}{8}$ > $\frac{5}{8}$
$\frac{1}{2}$ or $\frac{4}{8}$ < $\frac{7}{8}$	$\frac{1}{4}$ or $\frac{2}{8}$ < $\frac{7}{8}$	$\frac{3}{4}$ or $\frac{6}{8}$ < $\frac{7}{8}$	$\frac{3}{8}$ < $\frac{5}{8}$	$\frac{5}{8}$ > $\frac{3}{8}$
$\frac{7}{8}$ > $\frac{3}{8}$	$\frac{3}{8}$ < $\frac{7}{8}$	$\frac{5}{8}$ < $\frac{7}{8}$	$\frac{7}{8}$ > $\frac{5}{8}$	

The correct order of the groups of fractions are:

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

$\frac{1}{5}$ or $\frac{4}{20}$	$\frac{3}{10}$ or $\frac{6}{20}$	$\frac{7}{20}$	$\frac{6}{10}$ or $\frac{12}{20}$	$\frac{15}{20}$	$\frac{4}{5}$ or $\frac{16}{20}$

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$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{8}$	$\frac{5}{16}$	$\frac{7}{16}$

$\frac{1}{2} < \frac{3}{4}$ $\square$ $\square$ $\square$ $\square$ $\square$ $\square$

$\square$ $\square$ $\square$ $\square$ $\square$ $\square$

Put these groups of fractions in order from smallest to largest.

$\frac{2}{3}$	$\frac{1}{6}$	$\frac{5}{6}$	$\frac{3}{12}$	$\frac{9}{12}$	$\frac{2}{24}$
Smallest					Largest

$\frac{4}{5}$	$\frac{1}{10}$	$\frac{6}{10}$	$\frac{3}{20}$	$\frac{8}{20}$	$\frac{15}{40}$
Smallest					Largest

Comparing and Ordering Fractions

Answers

I can compare and order fractions with denominators that are all multiples of the same number.

Possible comparison statements could be:

$\frac{1}{2}$ or $\frac{8}{16}$ > $\frac{1}{4}$ or $\frac{4}{16}$	$\frac{1}{2}$ or $\frac{8}{16}$ > $\frac{3}{8}$ or $\frac{6}{16}$	$\frac{1}{2}$ or $\frac{8}{16}$ > $\frac{1}{8}$ or $\frac{2}{16}$
$\frac{1}{4}$ or $\frac{4}{16}$ < $\frac{1}{2}$ or $\frac{8}{16}$	$\frac{1}{4}$ or $\frac{4}{16}$ < $\frac{3}{8}$ or $\frac{6}{16}$	$\frac{1}{4}$ or $\frac{4}{16}$ > $\frac{1}{8}$ or $\frac{2}{16}$
$\frac{3}{8}$ or $\frac{6}{16}$ < $\frac{1}{2}$ or $\frac{8}{16}$	$\frac{3}{8}$ or $\frac{6}{16}$ > $\frac{1}{4}$ or $\frac{4}{16}$	$\frac{3}{8}$ or $\frac{6}{16}$ > $\frac{1}{8}$ or $\frac{2}{16}$
$\frac{1}{8}$ or $\frac{2}{16}$ < $\frac{1}{2}$ or $\frac{8}{16}$	$\frac{1}{8}$ or $\frac{2}{16}$ < $\frac{1}{4}$ or $\frac{4}{16}$	$\frac{1}{8}$ or $\frac{2}{16}$ < $\frac{3}{8}$ or $\frac{6}{16}$

$\frac{5}{16}$ < $\frac{1}{2}$ or $\frac{8}{16}$	$\frac{7}{16}$ < $\frac{1}{2}$ or $\frac{8}{16}$	$\frac{5}{16}$ > $\frac{1}{4}$ or $\frac{4}{16}$	$\frac{7}{16}$ > $\frac{1}{4}$ or $\frac{4}{16}$	$\frac{5}{16}$ < $\frac{3}{8}$ or $\frac{6}{16}$
$\frac{7}{16}$ > $\frac{3}{8}$ or $\frac{6}{16}$	$\frac{5}{16}$ > $\frac{1}{8}$ or $\frac{2}{16}$	$\frac{7}{16}$ > $\frac{1}{8}$ or $\frac{2}{16}$	$\frac{1}{2}$ or $\frac{8}{16}$ > $\frac{5}{16}$	$\frac{1}{4}$ or $\frac{4}{16}$ < $\frac{5}{16}$
$\frac{3}{8}$ or $\frac{6}{16}$ > $\frac{5}{16}$	$\frac{1}{8}$ or $\frac{2}{16}$ < $\frac{5}{16}$	$\frac{1}{2}$ or $\frac{8}{16}$ > $\frac{7}{16}$	$\frac{1}{4}$ or $\frac{4}{16}$ < $\frac{7}{16}$	$\frac{3}{8}$ or $\frac{6}{16}$ < $\frac{7}{16}$
$\frac{1}{8}$ or $\frac{2}{16}$ < $\frac{7}{16}$	$\frac{5}{16}$ < $\frac{7}{16}$	$\frac{7}{16}$ > $\frac{5}{16}$		

The correct order of the groups of fractions are:

$\frac{2}{24}$	$\frac{1}{6}$ or $\frac{4}{24}$	$\frac{3}{12}$ or $\frac{6}{24}$	$\frac{2}{3}$ or $\frac{16}{24}$	$\frac{18}{24}$	$\frac{5}{6}$ or $\frac{20}{24}$

$\frac{1}{10}$ or $\frac{4}{40}$	$\frac{3}{20}$ or $\frac{6}{40}$	$\frac{15}{40}$	$\frac{8}{20}$ or $\frac{16}{40}$	$\frac{6}{10}$ or $\frac{24}{40}$	$\frac{4}{5}$ or $\frac{32}{40}$

Comparing and Ordering Fractions

I can compare and order fractions with denominators that are all multiples of the same number.

Choose pairs of these fractions to compare using the less than < or greater than > symbols.

$\frac{3}{4}$	$\frac{3}{8}$	$\frac{10}{16}$	$\frac{8}{16}$	$\frac{5}{32}$	$\frac{7}{64}$

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

$\frac{\square}{\square} \square \frac{\square}{\square}$ $\quad \frac{\square}{\square} \square \frac{\square}{\square}$ $\quad \frac{\square}{\square} \square \frac{\square}{\square}$

Put these groups of fractions in order from smallest to largest.

$\frac{2}{3}$	$\frac{1}{6}$	$\frac{5}{12}$	$\frac{3}{12}$	$\frac{9}{24}$	$\frac{2}{48}$
Smallest					Largest

$\frac{4}{5}$	$\frac{1}{10}$	$\frac{6}{20}$	$\frac{3}{40}$	$\frac{8}{40}$	$\frac{15}{80}$
Smallest					Largest

Comparing and Ordering Fractions

Answers

I can compare and order fractions with denominators that are all multiples of the same number.

Possible comparison statements could be:

$\frac{7}{64} < \frac{3}{4}$ or $\frac{48}{64}$	$\frac{7}{64} < \frac{3}{8}$ or $\frac{24}{64}$	$\frac{7}{64} < \frac{10}{16}$ or $\frac{40}{64}$	$\frac{7}{64} < \frac{8}{16}$ or $\frac{32}{64}$	$\frac{7}{64} < \frac{5}{32}$ or $\frac{10}{64}$
$\frac{3}{4}$ or $\frac{48}{64} > \frac{7}{64}$	$\frac{3}{8}$ or $\frac{24}{64} > \frac{7}{64}$	$\frac{10}{16}$ or $\frac{40}{64} > \frac{7}{64}$	$\frac{8}{16}$ or $\frac{32}{64} > \frac{7}{64}$	$\frac{5}{32}$ or $\frac{10}{64} < \frac{7}{64}$

$\frac{3}{4}$ or $\frac{48}{64} > \frac{3}{8}$ or $\frac{24}{64}$	$\frac{3}{8}$ or $\frac{24}{64} < \frac{3}{4}$ or $\frac{48}{64}$	$\frac{10}{16}$ or $\frac{40}{64} < \frac{3}{4}$ or $\frac{48}{64}$
$\frac{8}{16}$ or $\frac{32}{64} < \frac{3}{4}$ or $\frac{48}{64}$	$\frac{5}{32}$ or $\frac{10}{64} < \frac{3}{4}$ or $\frac{48}{64}$	$\frac{3}{4}$ or $\frac{48}{64} > \frac{10}{16}$ or $\frac{40}{64}$
$\frac{3}{8}$ or $\frac{24}{64} < \frac{10}{16}$ or $\frac{40}{64}$	$\frac{10}{16}$ or $\frac{40}{64} > \frac{3}{8}$ or $\frac{24}{64}$	$\frac{8}{16}$ or $\frac{32}{64} > \frac{3}{8}$ or $\frac{24}{64}$
$\frac{5}{32}$ or $\frac{10}{64} < \frac{3}{8}$ or $\frac{24}{64}$	$\frac{3}{4}$ or $\frac{48}{64} > \frac{8}{16}$ or $\frac{32}{64}$	$\frac{3}{8}$ or $\frac{24}{64} < \frac{8}{16}$ or $\frac{32}{64}$
$\frac{10}{16}$ or $\frac{40}{64} > \frac{8}{16}$ or $\frac{32}{64}$	$\frac{8}{16}$ or $\frac{32}{64} < \frac{10}{16}$ or $\frac{40}{64}$	$\frac{5}{32}$ or $\frac{10}{64} < \frac{10}{16}$ or $\frac{40}{64}$
$\frac{3}{4}$ or $\frac{48}{64} > \frac{5}{32}$ or $\frac{10}{64}$	$\frac{3}{8}$ or $\frac{24}{64} > \frac{5}{32}$ or $\frac{10}{64}$	$\frac{10}{16}$ or $\frac{40}{64} > \frac{5}{32}$ or $\frac{10}{64}$
$\frac{8}{16}$ or $\frac{32}{64} > \frac{5}{32}$ or $\frac{10}{64}$	$\frac{5}{32}$ or $\frac{10}{64} < \frac{8}{16}$ or $\frac{32}{64}$	

The correct order of the groups of fractions are:

$\frac{2}{48}$	$\frac{1}{6}$ or $\frac{8}{48}$	$\frac{3}{12}$ or $\frac{12}{48}$	$\frac{9}{24}$ or $\frac{18}{48}$	$\frac{5}{12}$ or $\frac{20}{48}$	$\frac{2}{3}$ or $\frac{32}{48}$

$\frac{3}{40}$ or $\frac{6}{80}$	$\frac{1}{10}$ or $\frac{8}{80}$	$\frac{15}{80}$	$\frac{8}{40}$ or $\frac{16}{80}$	$\frac{6}{20}$ or $\frac{24}{80}$	$\frac{4}{5}$ or $\frac{64}{80}$