



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.

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

| | | |
|---------------|---|---------------|
| $\frac{1}{2}$ | < | $\frac{3}{4}$ |
|---------------|---|---------------|

| | | |
|---------------------------|--|---------------------------|
| $\frac{\square}{\square}$ | | $\frac{\square}{\square}$ |
|---------------------------|--|---------------------------|

| | | |
|---------------------------|--|---------------------------|
| $\frac{\square}{\square}$ | | $\frac{\square}{\square}$ |
|---------------------------|--|---------------------------|

| | | |
|---------------------------|--|---------------------------|
| $\frac{\square}{\square}$ | | $\frac{\square}{\square}$ |
|---------------------------|--|---------------------------|

| | | |
|---------------------------|--|---------------------------|
| $\frac{\square}{\square}$ | | $\frac{\square}{\square}$ |
|---------------------------|--|---------------------------|

| | | |
|---------------------------|--|---------------------------|
| $\frac{\square}{\square}$ | | $\frac{\square}{\square}$ |
|---------------------------|--|---------------------------|

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 |
|----------|--|--|--|--|---------|



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Answers

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



Possible comparison statements could be:

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

The correct order of the groups of fractions are:

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

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



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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.

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

| | | |
|---------------|---|---------------|
| $\frac{1}{2}$ | < | $\frac{3}{4}$ |
|---------------|---|---------------|

| | | |
|---------------------------|-----------|---------------------------|
| $\frac{\square}{\square}$ | \square | $\frac{\square}{\square}$ |
|---------------------------|-----------|---------------------------|

| | | |
|---------------------------|-----------|---------------------------|
| $\frac{\square}{\square}$ | \square | $\frac{\square}{\square}$ |
|---------------------------|-----------|---------------------------|

| | | |
|---------------------------|-----------|---------------------------|
| $\frac{\square}{\square}$ | \square | $\frac{\square}{\square}$ |
|---------------------------|-----------|---------------------------|

| | | |
|---------------------------|-----------|---------------------------|
| $\frac{\square}{\square}$ | \square | $\frac{\square}{\square}$ |
|---------------------------|-----------|---------------------------|

| | | |
|---------------------------|-----------|---------------------------|
| $\frac{\square}{\square}$ | \square | $\frac{\square}{\square}$ |
|---------------------------|-----------|---------------------------|

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

| | | | | | |
|---------------|---------------|---------------|----------------|----------------|----------------|
| $\frac{2}{3}$ | $\frac{1}{6}$ | $\frac{5}{6}$ | $\frac{3}{12}$ | $\frac{9}{12}$ | $\frac{2}{24}$ |
|---------------|---------------|---------------|----------------|----------------|----------------|

| | | | | | |
|----------|--|--|--|--|---------|
| Smallest | | | | | Largest |
|----------|--|--|--|--|---------|

| | | | | | |
|---------------|----------------|----------------|----------------|----------------|-----------------|
| $\frac{4}{5}$ | $\frac{1}{10}$ | $\frac{6}{10}$ | $\frac{3}{20}$ | $\frac{8}{20}$ | $\frac{15}{40}$ |
|---------------|----------------|----------------|----------------|----------------|-----------------|

| | | | | | |
|----------|--|--|--|--|---------|
| Smallest | | | | | Largest |
|----------|--|--|--|--|---------|



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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 $\frac{32}{40}$ |
|----------------------------------|----------------------------------|-----------------|-----------------------------------|-----------------------------------|----------------------------------|



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

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

| | | |
|---------------|---|---------------|
| $\frac{3}{8}$ | < | $\frac{3}{4}$ |
|---------------|---|---------------|

| | | |
|---------------------|-----------|---------------------------|
| $\frac{\square}{8}$ | \square | $\frac{\square}{\square}$ |
|---------------------|-----------|---------------------------|

| | | |
|---------------------------|-----------|---------------------------|
| $\frac{\square}{\square}$ | \square | $\frac{\square}{\square}$ |
|---------------------------|-----------|---------------------------|

| | | |
|---------------------------|-----------|---------------------------|
| $\frac{\square}{\square}$ | \square | $\frac{\square}{\square}$ |
|---------------------------|-----------|---------------------------|

| | | |
|---------------------------|-----------|---------------------------|
| $\frac{\square}{\square}$ | \square | $\frac{\square}{\square}$ |
|---------------------------|-----------|---------------------------|

| | | |
|---------------------------|-----------|---------------------------|
| $\frac{\square}{\square}$ | \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 |
|----------|--|--|--|--|---------|

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Answers

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

Possible comparison statements could be:

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

The correct order of the groups of fractions are:

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

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