

Compare and Order Fractions



To order fractions, rewrite them with a common denominator. Then compare the numerators, two at a time to order the numerators.

Order: $\frac{4}{9}, \frac{5}{6}, \frac{7}{18}$

Step 1

Find the LCM of 9, 6, and 18.

Multiples of 9: 9, 18, 27, 36

Multiples of 6: 6, 12, 18

Multiples of 18: 18

LCM: 18

Step 2

Write equivalent fractions.

$$\frac{4}{9} = \frac{4 \times 2}{9 \times 2} = \frac{8}{18}$$

$$\frac{5}{6} = \frac{5 \times 3}{6 \times 3} = \frac{15}{18}$$

$$\frac{7}{18} = \frac{7}{18}$$

Step 3

Compare and order the numerators.

$$7 < 8 \text{ and } 8 < 15,$$

so $7 < 8 < 15$.

Order least to greatest:

$$\frac{7}{18}, \frac{8}{18}, \frac{15}{18}$$

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$$\frac{7}{18}, \frac{4}{9}, \frac{5}{6}$$

Order from least to greatest.

1. $\frac{3}{4}, \frac{1}{2}, \frac{5}{6}$

Multiples of 4: _____

Multiples of 2: _____

Multiples of 6: _____

LCM: _____

Numerators: _____ < _____ < _____ Fractions from least to greatest: _____

$$\frac{3}{4} = \frac{3 \times 3}{4 \times 3} = \frac{9}{12}$$

$$\frac{1}{2} = \frac{1 \times 6}{2 \times 6} = \frac{6}{12}$$

$$\frac{5}{6} = \frac{5 \times 2}{6 \times 2} = \frac{10}{12}$$

2. $\frac{3}{8}, \frac{3}{4}, \frac{1}{3}$

Multiples of 8: _____

Multiples of 4: _____

Multiples of 3: _____

LCM: _____

Numerators: _____ < _____ < _____ Fractions from least to greatest: _____

$$\frac{3}{8} = \frac{3 \times 3}{8 \times 3} = \frac{9}{24}$$

$$\frac{3}{4} = \frac{3 \times 6}{4 \times 6} = \frac{18}{24}$$

$$\frac{1}{3} = \frac{1 \times 8}{3 \times 8} = \frac{8}{24}$$

3. $\frac{1}{5}, \frac{1}{6}, \frac{3}{10}$ _____

4. $\frac{9}{10}, \frac{4}{5}, \frac{2}{3}$ _____