Making Like Units Numerically

Is one unit a factor of the other unit?



Only change the fraction that is a factor and leave the other

IF NO:

Multiply the units together to find a like unit and convert both fractions to equivalent values in the like unit.

Count by the multiplies of the large digit until you get to a number that is also a multiple of the smaller digit & convert both fractions to equivalent values in the like unit

$$\frac{1}{2} + \frac{1}{5}$$

 $\left(\frac{5}{9} \times \frac{2}{2}\right) + \left(\frac{5}{6} \times \frac{3}{3}\right)$

1. 5

• 2 is NOT a factor of 5.

2 x 5 is 10, so that will be the like unit.

2.
$$\frac{1}{2} + \frac{2}{3}$$

 $(\pm \times \frac{3}{3}) + (\pm \times \frac{2}{3})$

$$\frac{5}{10} + \frac{2}{10} = \frac{7}{10}$$

$$\frac{5}{9} + \frac{5}{6} \cdot 6 \text{ is NOT a factor of 9.}$$

$$\frac{5}{9} \cdot 6 \text{ is NOT a factor of 9.}$$

$$\frac{5}{18} \cdot 6 \text{ is NOT a factor of 9.}$$

$$\frac{5}{18} \cdot 6 \text{ is NOT a factor of 9.}$$

6 so it will be the like

$$\left(\frac{1}{2} \times \frac{3}{3}\right) + \frac{2}{6}$$

$$\frac{10}{18} + \frac{15}{18} = \frac{25}{18} = |\frac{7}{18}|$$

$$\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

 $\frac{1}{2} + \frac{2}{6}$

5.
$$\frac{2}{3} + \frac{1}{4} + \frac{1}{2}$$
 • 3 is NOT a factor of 4. count by 4s: 4, 8, 12

12 is a multiple of 3 and 2 so it is the like unit

$$\left(\frac{2}{3} \times \frac{4}{4}\right) + \left(\frac{1}{4} \times \frac{3}{3}\right) + \left(\frac{1}{2} \times \frac{6}{6}\right)$$

$$\frac{8}{12} + \frac{3}{12} + \frac{6}{12} = \frac{17}{12} = \frac{5}{12}$$

Ir

6. 1

$$\frac{1}{3} - \frac{1}{5}$$

- 3 is NOT a factor of 5.
- 3 x 5 is 15, so that will be the like unit.

9.

Making Like Units Numerically

$$\frac{3}{5} - \frac{1}{6}$$

$$\frac{18}{30} - \frac{5}{30} = \frac{12}{30} = \frac{2}{5}$$

8.
$$1 \frac{3}{4} - \frac{3}{5} \frac{100 \text{ fractions}}{5 \frac{3}{4} \text{ is larger}}$$

$$|\frac{15}{10} - \frac{12}{20}|$$
 $|\frac{3}{20}$

$$3\frac{3}{5} - 2\frac{1}{2}$$
 $\frac{3}{5}$
 $\frac{3}{5}$
 $\frac{3}{5}$
 $\frac{3}{5}$
 $\frac{3}{5}$
 $\frac{3}{5}$
 $\frac{3}{2}$
 $\frac{$

10.
$$1 \frac{3 \times 3}{10 \times 3} - \frac{1}{6 \times 5}$$

11.
$$5\frac{3}{4} - 3\frac{1}{6}$$
 Subtract whole numbers first. $(5-3)-3+-6$ $2^{3}+$