

Understanding Fractions – Equal parts of a whole

1 numerator
4 denominator

1 unit fraction
3

3 non-unit fraction
5

Adding fractions

same denominator then simplified

$$\frac{3}{8} + \frac{3}{8} = \frac{6}{8} = \frac{3}{4}$$

mixed fractions convert

to common denominator

$$\frac{1}{4} + \frac{5}{8} = \frac{2}{8} + \frac{5}{8} = \frac{7}{8}$$

Subtracting fractions

same denominator

$$\frac{5}{12} - \frac{3}{12} = \frac{2}{12}$$

mixed fractions convert to common denominator

$$\frac{7}{8} - \frac{2}{3} = \frac{21}{24} - \frac{16}{24} = \frac{5}{24}$$

Multiplying fractions

same denominator

$$\frac{2}{3} \times \frac{2}{3} = \frac{4}{9}$$

mixed fractions then simplified

$$\frac{3}{5} \times \frac{3}{6} = \frac{9}{30} = \frac{3}{10}$$