

Add/Subtract Fractions: Same Denominator

Adding Fractions with Same Denominator

Rule: Add Numerators, Keep Denominator,
don't forget to simplify if possible

Example: Add $\frac{1}{8} + \frac{3}{8}$

$$\frac{1}{8} + \frac{3}{8}$$

Same Denominator

$$= \frac{1+3}{8}$$

Add Numerators, Keep Denominator

$$= \frac{4 \div 4}{8 \div 4}$$

Simplify Fraction

$$\frac{1}{8} + \frac{3}{8} = \frac{1}{2}$$

Result

Example: $\frac{1}{10} + \frac{3}{10}$

Video:



Add/Subtract Fractions: Same Denominator

Subtracting Fractions with Same Denominator

Rule: Subtract Numerators, Keep Denominator,
don't forget to simplify if possible

Example: Subtract $\frac{3}{7} - \frac{2}{7}$

$$\frac{3}{7} - \frac{2}{7}$$

Same Denominator

$$= \frac{3-2}{7}$$

Subtract Numerators, Keep Denominator

$$= \frac{1}{7}$$

Cannot simplify further

$$\frac{3}{7} - \frac{2}{7} = \frac{1}{7}$$

Result

Example: Subtract using a basic 4-function calculator

Example: Subtract using a ti- calculator, two
different ways

Video:

