

Subtracting Fractions

Same Denominators

$$\frac{4}{8} - \frac{3}{8} = \boxed{\frac{1}{8}}$$

same

* Keep the denominators the same and just subtract the numerators

$$\frac{9}{16} - \frac{1}{16} = \frac{8}{16}$$

SIMPLIFY

$$\frac{8}{16} \div \frac{8}{8} = \boxed{\frac{1}{2}}$$

Different Denominators

* change the denominators to the same denominator

$$\begin{array}{r} \frac{7}{8} - \frac{1}{4} \\ \downarrow \\ \frac{7}{8} \times 4 \quad \frac{28}{32} \\ - \frac{1}{4} \times 8 \quad \frac{8}{32} \\ \hline \frac{20}{32} \end{array}$$

same

- find a common denominator by just multiplying them together

- OR find a smaller common denominator

* Subtract fractions like normal

$$\frac{20}{32} \div \frac{4}{4} = \boxed{\frac{5}{8}}$$

SIMPLIFY