

Practice

Simplify.

① $\frac{24}{60}$

② $\frac{36}{18}$

③ $\frac{75}{175}$

④ $\frac{280}{3500}$

⑤ $-2 \div (-6)$

⑥ $\frac{6}{-9}$

⑦ $\frac{1}{3} \cdot \frac{2}{3}$

⑧ $\frac{2}{3} \cdot \frac{9}{10} \cdot \frac{5}{2}$

⑨ $\frac{2}{3} \div \frac{2}{9}$

⑩ $-\frac{3}{7} \div 2$

$$\textcircled{11} \frac{7}{9} - \frac{1}{9} =$$

$$\textcircled{12} \frac{3}{5} + \frac{2}{9} =$$

$$\textcircled{13} 2 - \frac{8}{3} =$$

$$\textcircled{14} -\frac{5}{8} + \frac{3}{4}$$

$$\textcircled{15} 2 - \left(-\frac{1}{7}\right)$$

$$\textcircled{16} \frac{4}{3} - \frac{3}{2} + \left(-\frac{1}{5}\right)$$

$$\textcircled{17} \text{ Evaluate } -\frac{b}{2a} \text{ if } a = -2 \text{ and } b = 1$$

$$\textcircled{18} \text{ Evaluate } x^2 - 5x + 2 \text{ if } x = \frac{3}{2}$$

Homework

Simplify.

① $\frac{48}{66}$

② $\frac{80}{6400}$

③ $\frac{575}{25}$

④ $-2 \div 8$

⑤ $\frac{0}{-5}$

⑥ $-\frac{-6}{-2}$

⑦ $\frac{2}{15} \cdot \frac{5}{3}$

⑧ $\frac{2}{5} \div \frac{10}{9}$

⑨ $\frac{-8}{15} \div (-2)$

⑩ $\frac{2}{5} - \frac{1}{10}$

$$\textcircled{11} \quad -\frac{1}{2} - \left(-\frac{3}{10}\right)$$

$$\textcircled{12} \quad 2 + \left(-\frac{3}{5}\right)$$

$$\textcircled{13} \quad \frac{5}{6} - \frac{4}{15} - \frac{4}{5}$$

$$\textcircled{14} \quad \left(-\frac{1}{3}\right)^2 + \left(\frac{-2}{3}\right)^2$$

$$\textcircled{15} \quad \text{Evaluate } -\frac{b}{2a} \text{ if } a = -2 \text{ and } b = 1$$

$$\textcircled{16} \quad \text{Evaluate } -x^2 - 4x - 1 \text{ if } x = -\frac{5}{2}$$