

Show that the number is rational by writing it as a quotient of two integers

a. -4

b. 0.58

c. $3 \frac{\underline{5}}{16}$

Write the fraction or mixed number as a decimal

a. $\frac{3}{5}$

b. $-6 \frac{13}{25}$

c. $\frac{14}{9}$

Write the decimal as a fraction or mixed numbers

a. 0.34

b. -3.78

Find the sum or difference

a. $\frac{7}{18} - \frac{17}{18}$

b. $\frac{7}{8} + (-\frac{3}{16})$

c. $5\frac{2}{9} - 7\frac{8}{15}$

Simplify the expressions

a. $\frac{x}{21} - \frac{x}{3}$

b. $-\frac{5z}{14} + \frac{9z}{28}$

Find the product

a. $\frac{3}{7} \times \frac{5}{18}$

b. $-24 \times \left(-\frac{7}{16}\right)$

Find the quotient

a. $\frac{5}{16} \div \frac{35}{48}$

b. $-22 \div \left(-\frac{4}{11}\right)$

Solve the equation

a. $\frac{6a}{7} = 18$

b. $\frac{2x}{7} - 5 = 17$

Solve the equation by first clearing fractions or the decimals

a. $\frac{1}{4}x + \frac{1}{6} = \frac{-5}{12}$

b. $6.8x + 5.3 = 7$

Solve the inequality

a. $-\frac{4p}{5} + 15 > \frac{3}{5}$

b. $\frac{3z}{4} - \frac{3}{8} \leq \frac{1}{4}$