

(27) $(1.0 \times 10^3) + (1.0 \times 10^5)$

$$\begin{array}{r} 1000 + 100000 \\ + 1000 \\ \hline 101000. = 1.01 \times 10^5 \end{array}$$

$1.0 \times 10^{3+2} + 1.0 \times 10^5$

$$.01 \times 10^5 + 1.0 \times 10^5$$

1.01×10^5

$(2.51 \times 10^2) + (5.23 \times 10^4)$

$$\begin{array}{r} 250 + 52300 \\ + 250 \\ \hline 52550 = 5.255 \times 10^4 \end{array}$$

Multiplying fractions

multiply across the top

multiply straight across the bottom

Reduce if possible

$$6 = \frac{6}{1} \quad 3 = \frac{3}{1}$$

Reduce end

$$\left\{ \frac{4}{5} \times \frac{9}{6} = \frac{36}{30} \div 6 = \frac{6}{5} \right.$$

Reduce as you go

$$\left\{ \frac{\cancel{4}}{5} \times \frac{9^{\cancel{3}}}{\cancel{6}} = \frac{6}{5} \right.$$

$$\frac{18}{15} = \frac{6}{5}$$

$$\begin{array}{r} 2+x=7 \\ -2 \quad -2 \end{array}$$

$$\begin{array}{r} x+9=10 \\ -9 \quad -9 \end{array}$$

$$\begin{array}{r} 3-x=11 \\ -3 \quad -3 \end{array}$$

$$x-2=0$$

$$+2 \quad +2$$

$$\begin{array}{r} x=-8 \\ \cancel{+1} \quad \cancel{-1} \\ x=8 \end{array}$$

$$x=5$$

$$x=1$$

$$x=-8$$

$$x=2$$

$$3x=36$$

$$(9)(x)=63$$

$$\frac{x}{50} = \underline{4}$$

$$\frac{240}{x} = \underline{15}$$

$$x=12$$

$$x=7$$

$$x=200$$

$$x=16$$

