

## Practice 3.1

Solve each equation.

$$1) \frac{10x}{10} = \frac{150}{10}$$

$$x = 15$$

$$2) 9 = \frac{n}{3} \cdot 3$$

$$27 = n$$

$$3) \frac{a}{4} = \frac{15}{4} \cdot 4$$

$$a = 15$$

$$4) 8 + x = 9$$

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

$$5) 15 = \frac{v}{2} \cdot 2$$

$$30 = v$$

$$6) 0 = 10 + b$$

$$\begin{array}{r} -10 \quad -10 \\ \hline -10 = b \end{array}$$

$$7) v - 11 = 7$$

$$\begin{array}{r} +11 \quad +11 \\ \hline v = 18 \end{array}$$

$$8) \frac{-4}{-2} = \frac{-2n}{-2}$$

$$2 = n$$

$$9) \frac{-m}{-1} = \frac{-33}{-1}$$

$$m = 33$$

$$10) \frac{-14a}{-14} = \frac{154}{-14}$$

$$a = -11$$

$$11) -\frac{3}{2} = \frac{3n}{3}$$

$(-3/2) \cdot 3 \rightarrow$

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

$$12) \frac{36}{7} = \frac{9}{14} + n$$

$$\frac{-9}{14} = \frac{-9}{14}$$

$$4.5 = n$$

$$13) \frac{3}{4}x = -\frac{1}{3}$$

$$\frac{3}{4} = \frac{3}{4}$$

$$x = -\frac{4}{9}$$

$$14) \frac{9}{5} + n = \frac{4}{5}$$

$$\frac{-9}{5} = \frac{-9}{5}$$

$$n = -1$$

$$15) \frac{76}{35} = k + \frac{3}{10}$$

$$\frac{-31}{10} = \frac{-31}{10}$$

$$\frac{-13}{14} = k$$

$$16) 25.6 = r + 14.1$$

$$\frac{-14.1}{10} = \frac{-14.1}{10}$$

$$11.5 = r$$

$$17) 5n = 78.5$$

$$\frac{5}{5} = \frac{5}{5}$$

$$n = 15.7$$

$$18) 16.4 = n + 18.9$$

$$\frac{-18.9}{10} = \frac{-18.9}{10}$$

$$-2.5 = n$$

$$19) -7.8 = n - 2.6$$

$$+2.6 = +2.6$$

$$-5.2 = n$$

$$20) 9.5v = -98.8$$

$$\frac{9.5}{9.5} = \frac{9.5}{9.5}$$

$$v = -10.4$$