

2-1 Writing Equations

Steps

1.) Define the variable

2.) Look for key words

is = difference - total =
of x per ÷

$$7n^2 = 5(k-m)$$

$$80 - 15n = 25$$

p. 75

1A.

$$2 + \text{and} \frac{n}{8} = 16$$

Two plus the quotient of n and 8
(divide)
is the same as sixteen.

p. 75
1B.

$$27 \cdot k = h^2 - 9$$

$$d = \text{days}$$
$$\frac{87,000}{87,000} d = \frac{261,000}{87,000}$$
$$d = 3$$
$$3 \text{ days}$$
$$= \frac{D}{U} = \frac{261,000}{87,000} \div 87,000$$

2. $m =$ members in the House of Rep.

$$\begin{array}{r} 50 = m - 70 \\ +70 \quad \quad +70 \end{array}$$

$$120 = m$$

$$50 = 120 - 70$$

$$50 = 50$$

$$\text{Triangle } A = \frac{1}{2} b h$$

formula

$$c^2 = a^2 + b^2$$

$$\frac{3}{2} r$$

three halves of r

three divided by two times r

$$p = \text{Beth's salary}$$

$$0.1p = \text{bonus}$$

$$1p + 0.1p = 525$$

$$\frac{1.1p}{1.1} = \frac{525}{1.1}$$

$$p = 477.27\overline{27}$$

$$p = \$477.27$$