<b>1.</b> A 12-ounce box of cereal costs \$3.60.	Which equation correctly relates the price
(p) with the weight (w) of the cereal?	

**A** 
$$p = 3.3w$$

**B** 
$$p = 0.3w$$

**C** 
$$p = 3.6w$$

**D** 
$$p = 12w$$

**A** 
$$c = 2 + n$$

**B** 
$$n = 2 + c$$

$$\mathbf{C}$$
  $c=2n$ 

**D** 
$$n=2c$$

**A** 
$$b - \frac{1}{6}w$$

**B** 
$$b = 6w$$

**C** 
$$b = w + 6$$

**D** 
$$b = w - 6$$

$$\mathbf{A} \qquad g - m = a$$

$$\mathbf{B} \quad \frac{m+g}{2} = a \qquad \mathbf{C} \quad a = gm$$

$$\mathbf{C}$$
  $a = gm$ 

**D** 
$$g = am$$

**5.** Mr. Kelly pays \$12,564 a year for rent. His rent is a constant amount each month. Which equation represents the amount he pays per month if 
$$m =$$
 months and  $c =$  total rent paid for the year?

**A** 
$$1.047m = c$$

**B** 
$$m \div 1,047 = c$$
 **C**

$$1,047 + m = c$$

**D** 
$$1,047c = m$$

**6.** Nicholas is typing a book report at an average speed of 30 words per minute. Which equation could Nicholas use to find t, the amount of time in minutes he will spend typing, if his report has w words?

**A** 
$$t = 30 w$$

**B** 
$$w = 30t$$

**C** 
$$t = w + 30$$

**D** 
$$w = t + 30$$

7. Tammy earns \$16.50 in three hours. Which equation represents Tammy's income, *I*, in dollars, as a function of time, *t*, in hours?

**A** 
$$I = 16.5t$$

**B** 
$$I = 7t - 4.5$$

**C** 
$$I = 3t + 16.5$$

**D** 
$$I = 5.5t$$

**8.** The cost of one movie ticket for an adult is 1.6 times the cost of a ticket for a child. If *a* equals the cost of one adult ticket and *c* equals the cost of one child ticket, which equation represents the relationship between *a* and *c*?

**A** a = 1.6c

**B** c = 1.6a

**C** 1.6 = a + c

**D** 1.6 = a - c

**9.** For every 10 apples gathered from trees in an orchard, there are 9 apples that are good to sell. Which equation determines the constant relationship between g, the number of apples gathered, and s, the number of apples good to sell?

**A** s = 0.9g

**B** s = 1.1g

**C** g = s - 1

**D** g = s + 1

**10.** Richard is buying hamburgers. He can buy 5 hamburgers for \$6.20 or 12 hamburgers for \$14.88. Which equation represents the cost, *y*, of *x* hamburgers?

**A** y = 1.20x

**B** x = 1.20y

**C** y = 1.24x

**D** x = 1.24y