

American Math 6th Grade HW 19;

Writing Equations

Determine whether the given value is a solution of the equation. Write *yes* or *no*.

1. $0.2v = 1.2$; $v = 10$ _____

2. $15 = 6 + d$; $d = 8$ _____

3. $28 - w = 25$; $w = 3$ _____

4. $4t = 32$; $t = 8$ _____

5. $\frac{12}{s} = 4$; $s = 3$ _____

6. $\frac{33}{p} = 3$; $p = 11$ _____

Circle the letter of the equation that each given solution makes true.

7. $m = 19$

A $10 + m = 20$

C $7m = 26$

B $m - 4 = 15$

D $\frac{18}{m} = 2$

8. $a = 16$

A $2a = 18$

C $24 - a = 6$

B $a + 12 = 24$

D $\frac{a}{4} = 4$

Solve each equation.

9. $b + 2.3 = 5.7$ $b = \underline{\hspace{2cm}}$

10. $6\frac{1}{2} + n = 12$ $n = \underline{\hspace{2cm}}$

11. $d + (-3.43) = -7$ $d = \underline{\hspace{2cm}}$

Write and solve an equation to answer each question.

12. Kayla is 13 years old. Her uncle says that his age minus 22 is equal to Kayla's age. How old is Kayla's uncle?

13. Gavin bought 16 bagels. He paid a total of \$20. Write an equation to determine whether each bagel cost \$1.50 or \$1.25.