Solving One-step Equations

Solve each equation. Check the solution.

1. $x - 6 = -18$

2. $-14 = 8 + j$

3. $4.19 + w = 19.72$

4. $x + 9 = -20$

5. $9 + k = 27$

6. $14 + t = -17$

7. $v - 2.59 = 26$

8. $r + 9 = 15$

9. $n - 19 = 26$

10. $14 = -3 + s$

11. $9 = d - 4.3$

12. $15 = 7 - x$

CHOOSE 2

Write and solve an equation for each situation. A) Define variable B) write equation C) Solve

13. Yesterday Josh sold some boxes of greeting cards. Today he sold seven boxes. If he sold 25 boxes in all, how many did he sell yesterday?

14. After Simon donated four books to the school library, he had 28 books left. How many books did Simon have to start with?

15. Jana baked some muffins. After she served 13 of them to her friends for brunch, she had 17 left. How many muffins did she bake?

16. A scuba diver descended to a depth of -22 meters (or 22 meters below sea level). The ocean floor is at a depth of -71 meters. How much farther would she need to descend to reach the ocean floor?

Solve each equation. Check the solution.

1. $\frac{a}{-6} = 2$

2. $18 = \frac{y}{-1.8}$

3. $46 = 2.3m$

4. $-114 = -6k$

5. $0 = \frac{b}{19}$

6. $136 = 8y$

7. $0.6j = -1.44$

8. $\frac{q}{7.4} = 8.3$

9. $28b = -131.6$

10. $\frac{n}{-9} = -107$

11. $37c = -777$

12. $\frac{n}{-1.28} = 4.96$

CHOOSE 2

Write and solve an equation for each situation. A) Define variable B) write equation C) Solve

13. Skylar spent $90.65 on books that cost $12.95 each. How many books did Skylar buy?

14. Eugenio has five payments left to make on his computer. If each payment is $157.90, how much does he still owe?

15. Judy spent $83.86 to buy T-shirts for the 14 members of the Chess Club. How much did each T-shirt cost?

16. Alison uses a total of 94.5 cups of dog food each week to feed her three dogs. Each dog eats the same amount. How much does each dog eat in one day?