

1-7**Practice*****Algebra: Equations***

Solve each equation mentally.

1. $a + 5 = 14$

2. $7 + y = 24$

3. $t - 13 = 33$

4. $b - 17 = 11$

5. $12 - r = 0$

6. $x + 18 = 59$

7. $63 = 9g$

8. $8d = 96$

9. $n = \frac{42}{7}$

10. $9 = \frac{z}{7}$

11. $10 = h \div 4$

12. $55 \div m = 11$

13. $1.2 + k = 3.0$

14. $2.7 = f - 1.1$

15. $v - 0.5 = 0.2$

16. $12.6 - c = 7.0$

17. $8.8 + j = 18.7$

18. $w + 13.5 = 16.0$

19. **WEATHER** The temperature was 78°F . A cold front moved in, and the temperature dropped to 54°F . Solve the equation $78 - d = 54$ to find the drop in temperature.

20. **HOBBIES** Elissa can cut out the pieces of cloth to make four pillows in one hour. Solve the equation $4h = 20$ to find how many hours Elissa needs to cut cloth for 20 pillows.

21. **BOWLING** Jean Conrad is an amateur bowler with an average score of 187. She recently bowled a perfect 300 score. Write an equation that can be used to find how much the perfect score was above her average score and then solve the equation.