

**1-5 Practice****Variables and Equations**

ALGEBRA Find the solution of each equation from the list given.

1. $w + 16 = 31$; 13, 15, 17

2. $z + 31 = 72$; 37, 39, 41

3. $25 - p = 0$; 21, 23, 25

4. $s - 14 = 2$; 12, 14, 16

5. $19 = t - 21$; 40, 42, 44

6. $b = 15 - 3$; 12, 14, 16

7. $9q = 72$; 6, 8, 10

8. $35 = 5m$; 7, 9, 11

9. $\frac{75}{n} = 15$; 5, 7, 9

10. $\frac{p}{8} = 10$; 80, 84, 88

ALGEBRA Solve each equation mentally.

11. $g + 19 = 29$

12. $26 + h = 35$

13. $n - 6 = 12$

14. $36 \div a = 12$

15. $\frac{90}{45} = u$

16. $3t = 39$

17. $15 + r = 30$

18. $34 - v = 20$

ALGEBRA Define a variable. Then write an equation and solve.

19. The sum of 3, 5, and a number is 15.

20. The difference of a number and 16 is 5.

21. The quotient of 56 and a number is 7.

22. A number increased by 30 is 63.

23. Eight times a number is 32.

24. A number decreased by 4 is 41.

25. **WEATHER** During the month of July, meteorologists recorded 5 inches of rainfall. This is 6 inches below average. Define a variable and write an equation that can be used to determine the average rainfall for July. Find the average rainfall for July.

26. **FOOD** Junot and Lisa ordered a pizza and cut it into six slices. If Junot ate one slice and Lisa ate one slice, how many slices are left?