

## 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?