

## Practice

**Solving Inequalities by Using Addition and Subtraction**

Solve each inequality. Then check your solution.

1.  $n + 5 \geq 32$

2.  $v - 8 \leq 35$

3.  $r - 6 < -15$

4.  $-81 > 16 + q$

5.  $-51 \leq x - (-38)$

6.  $m - (-3.4) \geq 12.7$

7.  $4.2 > -11 + t$

8.  $2\ell < \ell - 6$

9.  $16w \geq 15w - 8$

10.  $6p > 5p + 19$

11.  $u - 12 < 2u$

12.  $2y - 17 \geq y - 6$

13.  $3e - 0.2 \geq 4e + 0.5$

14.  $-3 + 12a < -4 + 11a$

15.  $-11.4 + s > 2s - 6.5$

16.  $2.1k - 4 \geq 3.1k + 4$

17.  $-\frac{3}{10} + d < \frac{9}{10}$

18.  $\frac{3}{4}c \leq \frac{7}{4}c - 1$

Define a variable, write an inequality, and solve each problem.  
Then check your solution.

19. A number decreased by 10 is greater than  $-5$ .

20. A number increased by 2 is at most 6.

21. A number increased by  $-1$  is less than 10.

22. A number decreased by  $-4$  is at least 9.