

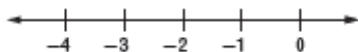
**5-4 Skills Practice****Solving Inequalities**

Solve each inequality. Check your solution.

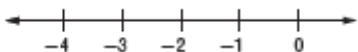
1.  $p + 9 > 13$       2.  $t + 7 < -4$       3.  $-12 \geq 7 + x$       4.  $f + (-7) \leq 9$
5.  $5 > -3 + y$       6.  $r + 7 \leq -3$       7.  $b - 15 > 11$       8.  $z + (-4) < -8$
9.  $j - 4 \leq -10$       10.  $-5 > h - 3$       11.  $13 > w - (-14)$       12.  $g - 7 > -4$
13.  $-15 \leq d + (-2)$       14.  $2 + c \leq -8$       15.  $15 > c + 3$       16.  $j + 9 \leq -10$

Solve each inequality. Then graph the solution on a number line.

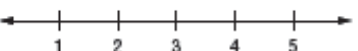
17.  $-8x > 16$



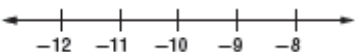
19.  $12a \geq -24$



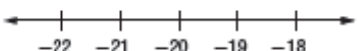
21.  $-6z < -18$



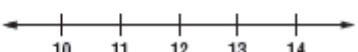
23.  $5 > \frac{x}{-2}$



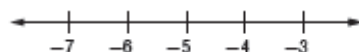
25.  $-10t \geq 200$



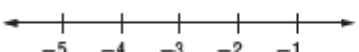
27.  $\frac{-1}{2}x \leq -6$



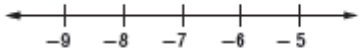
18.  $7y < -35$



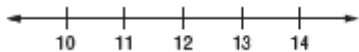
20.  $-12 \leq 4a$



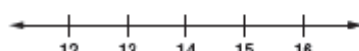
22.  $14 > -2k$



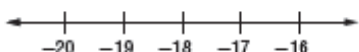
24.  $\frac{r}{-3} \leq -4$



26.  $\frac{y}{7} < 2$



28.  $\frac{b}{-3} \leq 6$



29. **SHOPPING** Chantal would like to buy a new pair of running shoes. Shoes that she likes start at \$85. If she has already saved \$62, what is the least amount she must still save?

**5-4 Practice****Solving Inequalities**

Solve each inequality. Check your solution.

1.  $-6 \geq g + 4$

2.  $15 + d > 10$

3.  $p + (-8) \leq -12$

4.  $-13 < k - (-16)$

5.  $-1 + s \leq 5$

6.  $12 > w - (-0.3)$

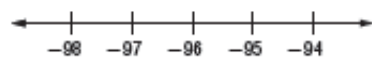
7.  $-1\frac{7}{8} < d + (-2)$

8.  $z - 0.9 > -4.8$

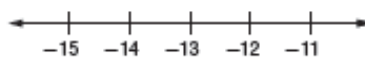
9.  $b - \frac{1}{5} < 3\frac{1}{10}$

Solve each inequality. Then graph the solution on a number line.

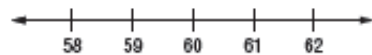
10.  $24 \geq \frac{g}{-4}$



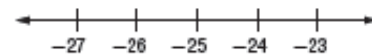
11.  $-78 > 6h$



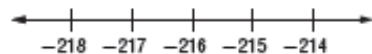
12.  $\frac{f}{-5} < -12$



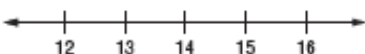
13.  $100 \geq -4s$



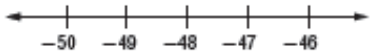
14.  $\frac{p}{-36} < 6$



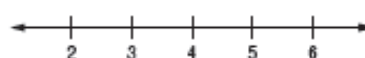
15.  $-4 > \frac{c}{-3.5}$



16.  $-24 < \frac{1}{2}b$



17.  $-3 \leq \frac{c}{-1.5}$



18. **TRANSPORTATION** A certain minivan has a maximum carrying capacity of 1200 pounds. If the luggage weighs 150 pounds, what is the maximum weight allowable for passengers?

19. **DISCOUNTS** To qualify for a store discount, Jorge's soccer team must spend at least \$560 for new jerseys. The team needs 20 jerseys.

- Write an inequality to represent how much the team should spend on each jersey to qualify for the discount.
- How much should the team spend for each jersey?