

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Solving Inequalities Using Multiplication or Division Assignment

Solve each inequality.

1.  $18x < 60$

2.  $10a > 55$

3.  $-11y \geq 88$

4.  $22 \geq -1.1x$

5.  $\frac{a}{5} > 7$

6.  $-\frac{y}{7} \leq -7$

7.  $8 \leq -\frac{x}{5}$

8.  $\frac{9a}{-14} > \frac{3}{7}$

9.  $-\frac{3}{4}y \geq 42$

10.  $-1.9x > 95$

11.  $-3.4a \geq 13.6$

12.  $6y \leq 138$

13.  $-12.8x \geq 64$

14.  $-2.6a < 7.8$

15.  $6y > 48$

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## **Solving Inequalities Using Multiplication or Division** Assignment

**Write and solve each inequality.**

16. Seven times a number is greater than 28.

17. Negative six times a number is at least 14.

18. Twenty five percent of a number is greater than or equal to 90.

19. A half of a number is less than 24.

**Write and solve each inequality.**

20. Suppose we need at least 6 apples to make a plate of apple pie. If we have 36 apples, how many plate of apple pie can we make?

21. The price of a ceramic tile varies depending on its design. If cost of the ceramic tile cost at most \$2.95 each, how many ceramic tile can Greg buy with his \$100?