

Puzzle 2-10**Solving Inequalities by Multiplying or Dividing**

Each solution is missing a symbol. Solve each inequality and select the correct symbol, and then write the letter of the symbol you selected above the exercise number at the bottom of the page.

1. $3y \geq 15$

$y \square 5$

A. \geq B. \leq

2. $-5k < -35$

$k \square 7$

C. $>$ D. $<$

3. $x + (-7) \geq 14$

$x \square 21$

E. \geq F. \leq

4. $\frac{-7}{6} < 2$

$y \square 12$

N. $<$ O. $>$

5. $\frac{m}{2} \geq -16$

$m \square 32$

K. \geq L. \leq

6. $4r > -16$

$r \square -4$

B. $>$ C. $<$

7. $-3s \leq 21$

$s \square -7$

Q. \leq R. \geq

8. $x - 1 > -5$

$x \square -4$

U. $>$ V. $<$

9. $\frac{x}{-4} \leq$

$x \square 1$

M. \leq N. \geq

10. $-15m < 5$

$m \square -\frac{5}{15}$

Y. $>$ Z. $<$

To solve the inequalities, make sure you do not lose:

10 4 8 7 6 1 5 1 9 2 3