

Multi-Step Inequalities

Answer Key

Solve each inequality.

1) $5(s + 2) \leq s - 1$

$$s \leq -\frac{11}{4}$$

2) $\frac{13w + 8}{3} \geq 7w$

$$w \leq 1$$

3) $\frac{18 - z}{4} \geq -z$

$$z \geq -6$$

4) $6d - 5 > 9 - d$

$$d > 2$$

5) $\frac{3q + 1}{2} > 4q - 7$

$$q < 3$$

6) $\frac{2a - 15}{5} < 13$

$$a < 40$$

7) $\frac{k}{3} < -k - 4$

$$k < -3$$

8) $-1 - 6y \leq 2 + y$

$$y \geq -\frac{3}{7}$$