

## Solving Linear Inequalities (G)

Solve each inequality for the given variable.

1.  $3 - \frac{8d}{5} \geq -8$

2.  $5 - \frac{5d}{4} \leq 8$

3.  $-2 \geq -9 + \frac{4c}{-9}$

4.  $9 \leq -\frac{5n}{-7} + 5$

5.  $6 > -5 + \frac{9d}{-2}$

6.  $-2 < -\frac{5c}{-6} - 5$

7.  $-\frac{7z}{-3} + 3 < 4$

8.  $6 - \frac{5g}{2} < 5$

9.  $9 \geq 3 - \frac{2k}{9}$

10.  $\frac{7g}{-8} + 4 < -2$

# Solving Linear Inequalities (G) Answers

Solve each inequality for the given variable.

1.  $3 - \frac{8d}{5} \geq -8$

$$d \leq 6\frac{7}{8}$$

2.  $5 - \frac{5d}{4} \leq 8$

$$d \geq -2\frac{2}{5}$$

3.  $-2 \geq -9 + \frac{4c}{-9}$

$$c \geq -15\frac{3}{4}$$

4.  $9 \leq -\frac{5n}{-7} + 5$

$$n \geq 5\frac{3}{5}$$

5.  $6 > -5 + \frac{9d}{-2}$

$$d > -2\frac{4}{9}$$

6.  $-2 < -\frac{5c}{-6} - 5$

$$c > 3\frac{3}{5}$$

7.  $-\frac{7z}{-3} + 3 < 4$

$$z < \frac{3}{7}$$

8.  $6 - \frac{5g}{2} < 5$

$$g > \frac{2}{5}$$

9.  $9 \geq 3 - \frac{2k}{9}$

$$k \geq -27$$

10.  $\frac{7g}{-8} + 4 < -2$

$$g > 6\frac{6}{7}$$