

Solving Linear Inequalities (A)

Solve each inequality for the given variable.

1. $-2 - \frac{7a}{-4} \leq -7$

2. $2 < 1 - \frac{3b}{-5}$

3. $5 \geq -\frac{3g}{-8} + 8$

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

5. $2 + \frac{f}{-9} < -7$

6. $8 + \frac{6j}{7} > -6$

7. $7 < -\frac{8t}{-5} + 2$

8. $-6 > -\frac{6f}{-7} - 4$

9. $9 > \frac{5n}{3} - 1$

10. $-3 - \frac{7p}{4} \geq 3$

Solving Linear Inequalities (A) Answers

Solve each inequality for the given variable.

1. $-2 - \frac{7a}{-4} \leq -7$

$$a \leq -2\frac{6}{7}$$

2. $2 < 1 - \frac{3b}{-5}$

$$b > 1\frac{2}{3}$$

3. $5 \geq -\frac{3g}{-8} + 8$

$$g \leq -8$$

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

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

5. $2 + \frac{f}{-9} < -7$

$$f > 81$$

6. $8 + \frac{6j}{7} > -6$

$$j > -16\frac{1}{3}$$

7. $7 < -\frac{8t}{-5} + 2$

$$t > 3\frac{1}{8}$$

8. $-6 > -\frac{6f}{-7} - 4$

$$f < -2\frac{1}{3}$$

9. $9 > \frac{5n}{3} - 1$

$$n < 6$$

10. $-3 - \frac{7p}{4} \geq 3$

$$p \leq -3\frac{3}{7}$$