Solving Two-Step Inequalities

Solve each inequality.

1) $\frac{p+11}{3} \leq 2$

2) $1 < 6 + 8x$

3) $2t - 17 \geq 5$

4) $9q + 9 \leq -18$

5) $7(c + 2) > 14$

6) $13 + 4u \geq 9$

7) $\frac{6+w}{19} > 1$

8) $10 \leq -m - 15$

9) $5n + 14 < 20$

10) $\frac{7y}{9} < 7$

Solving Two-Step Inequalities

Answer key

Solve each inequality.

1) $\frac{p+11}{3} \leq 2$

$p \leq -5$

2) $1 < 6 + 8x$

$x > -\frac{5}{8}$

3) $2t - 17 \geq 5$

$t \geq 11$

4) $9q + 9 \leq -18$

$q \leq -3$

5) $7(c + 2) > 14$

$c > 0$

6) $13 + 4u \geq 9$

$u \geq -1$

7) $\frac{6+w}{19} > 1$

$w > 13$

8) $10 \leq -m - 15$

$m \leq -25$

9) $5n + 14 < 20$

$n < \frac{6}{5}$

10) $\frac{7y}{9} < 7$

$y < 9$