

Name: Class:

Solve one-step inequalities

Solve on the rough paper then write the correct answer (follow the example).

1. Solve for x.
 $x \leq 8 + 2$

2. Solve for x.
 $34x > -68$

3. Solve for x.
 $200 < 20x$

4. Solve for t.
 $t \leq -4 + 19$

5. Solve for v.
 $34 + v \leq 55$

6. Solve for x.
 $-34 \leq 67 + x$

7. Solve for g.
 $g - 250 > 20$

8. Solve for a.
 $\frac{a}{28} \leq 2$

Find the value of the variables in the following expressions and choose the most correct answer.

9. $24v < 288$ $v < ?$ 24 12 10 14

10. $\frac{x}{9} \geq 9$ $x \geq ?$ 79 80 81 82

11. $x < 386 - 47$ $x < ?$ 339 392 292 329

12. $80x \leq 400$ $x \leq ?$ 20 -5 10 5

Name: Class:

Solve one-step inequalities

Solve on the rough paper then write the correct answer (follow the example).

1. Solve for x.
 $x \leq 8 + 2$
 Since **x** is already on the left side of the inequality, simplify the right side of the inequality.
 $x \leq 8 + 2$
 $x \leq 10$

2. Solve for x.
 $34x > -68$
 $x > -2$

3. Solve for x.
 $200 < 20x$
 $x > 10$

4. Solve for t.
 $t \leq -4 + 19$
 $t \leq 15$

5. Solve for v.
 $34 + v \leq 55$
 $v \leq 21$

6. Solve for x.
 $-34 \leq 67 + x$
 $-101 < x$

7. Solve for g.
 $g - 250 > 20$
 $g > 270$

8. Solve for a.
 $\frac{a}{28} \leq 2$
 $a \leq 56$

Find the value of the variables in the following expressions and choose the most correct answer.

- | | | | | | | |
|------------|----------------------|------------|---|--|--|---------------------------------------|
| 9. | $24v < 288$ | $v < ?$ | <input type="checkbox"/> 24 | <input checked="" type="checkbox"/> 12 | <input type="checkbox"/> 10 | <input type="checkbox"/> 14 |
| 10. | $\frac{x}{9} \geq 9$ | $x \geq ?$ | <input type="checkbox"/> 79 | <input type="checkbox"/> 80 | <input checked="" type="checkbox"/> 81 | <input type="checkbox"/> 82 |
| 11. | $x < 386 - 47$ | $x < ?$ | <input checked="" type="checkbox"/> 339 | <input type="checkbox"/> 392 | <input type="checkbox"/> 292 | <input type="checkbox"/> 329 |
| 12. | $80x \leq 400$ | $x \leq ?$ | <input type="checkbox"/> 20 | <input type="checkbox"/> -5 | <input type="checkbox"/> 10 | <input checked="" type="checkbox"/> 5 |