Name: .... Class: ....

Solve one-step inequalities

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

1. Solve for x.

$x \leqslant 8 + 2$

Since **x** is already on the left side of the inequality, simplify the right side of the inequality.

$x \leq 8 + 2$

$\boxed{x \leqslant 10}$

2. Solve for x.

$17x > -34$

3. Solve for x.

$100 < 10x$

4. Solve for t.

$t \leqslant -2 + 17$

5. Solve for v.

$34 + v \leqslant 55$

6. Solve for x.

$-24 \leqslant 57 + x$

7. Solve for g.

$g - 10 > 20$

8. Solve for a.

$\dfrac{a}{28} \leqslant 2$

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

9. $12v < 144$ $v < ?$ ☐ 24   ☐ 12   ☐ 10   ☐ 14

10. $\dfrac{x}{7} \geqslant 6$ $x \geqslant ?$ ☐ 22   ☐ 32   ☐ 42   ☐ 24

11. $x < 259 - 67$ $x < ?$ ☐ 192   ☐ 92   ☐ 292   ☐ 129

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

mathskills4kids

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$x \leq 8 + 2$
$\boxed{x \leqslant 10}$

2. Solve for x.
$17x > -34$
$x > -2$

3. Solve for x.
$100 < 10x$
$x > 10$

4. Solve for t.
$t \leqslant -2 + 17$
$t \leqslant 15$

5. Solve for v.
$34 + v \leqslant 55$
$v \leqslant 24$

6. Solve for x.
$-24 \leqslant 57 + x$
$-81 \leqslant x$

7. Solve for g.
$g - 10 > 20$
$g > 30$

8. Solve for a.
$\dfrac{a}{28} \leqslant 2$
$a \leqslant 56$

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

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