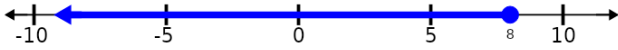


**Solve linear inequalities in one variable****1**

What inequality does this number line show?



A

$0 < X < 8$

B

$X < 8$

C

$8 \leq X$

D

$X \leq 8$

2

Solve the one-step inequality for x.

$$x + 4 \leq 14$$

A

$x \leq 10$

B

$x \leq 11$

C

$x < 10$

D

$x \geq 10$

3

Solve the one-step inequality for x.

$$x - 10 < 4$$

A

$x \leq 14$

B

$x < 15$

C

$x > 14$

D

$x < 14$

4

Solve the one-step inequality for x.

$$9x > 36$$

A

$x > 5$

B

$x < 4$

C

$x > 4$

D

$x \geq 4$

5

Solve the one-step inequality for x.

$$3x \geq 15$$

A

$x \leq 5$

B

$x \geq 5$

C

$x > 5$

D

$x \geq 6$

6

Solve the two-step inequality for x.

$$-4 + 7x \leq 73$$

A

$x \leq 12$

B

$x < 11$

C

$x \leq 11$

D

$x \geq 11$

7

Solve the two-step inequality for x.

$$-4x + 8 > -16$$

A

$x \leq 6$

B

$x < 7$

C

$x > 6$

D

$x < 6$

8

Solve the two-step inequality for x.

$$-6 + \frac{x}{7} > 1$$

A

$x > 49$

B

$x > 50$

C

$x \geq 49$

D

$x < 49$

**Solve linear inequalities in one variable****9**Solve the two-step inequality for x .

$$-7x - 8 > -29$$

A

$$x > 3$$

B

$$x \leq 3$$

C

$$x < 4$$

D

$$x < 3$$

10Solve the two-step inequality for x .

$$7x - 11 \geq 17$$

A

$$x \geq 5$$

B

$$x \geq 4$$

C

$$x \leq 4$$

D

$$x > 4$$

11Solve the two-step inequality for x .

$$3 + 3x \leq 30$$

A

$$x \leq 9$$

B

$$x < 9$$

C

$$x \leq 10$$

D

$$x \geq 9$$

12Solve the two-step inequality for x .

$$\frac{x}{-8} + 4 > 7$$

A

$$x < -24$$

B

$$x < -23$$

C

$$x \leq -24$$

D

$$x > -24$$