

Name :

Solving Inequalities

Solve:

1 $\frac{x}{5} \leq 2$

2 $x + 8 \geq 4$

3 $4x \geq 16$

4 $3x - 5 > 16$

5 $\frac{x}{9} - 6 > 4$

6 $2(2x - 9) \geq 22$

7 $13b - 12 < 3b + 13$

8 $n + 1 \geq 3n - 18$

9 $2(5x + 1) \leq 36$

List all the whole numbers which satisfy the given inequalities.

10 $-5 \leq x \leq -2$

11 $-3 \leq x < 1$

12 $-2 \leq x \leq 2$

List all the integers (positive or negative numbers) which satisfy the given inequalities.

13 $-5 \leq x \leq -2$

14 $-2 \leq x < 1$

15 $-1 \leq x < 1$

Name :

Solving Inequalities

Answers

<p>1 $\frac{x}{5} \leq 2$</p> <p style="text-align: center; color: blue;">$x \leq 10$</p>	<p>2 $x + 8 \geq 4$</p> <p style="text-align: center; color: blue;">$x \geq -4$</p>	<p>3 $4x \geq 16$</p> <p style="text-align: center; color: blue;">$x \geq 4$</p>
<p>4 $3x - 5 > 16$</p> <p style="text-align: center; color: blue;">$x > 7$</p>	<p>5 $\frac{x}{9} - 6 > 4$</p> <p style="text-align: center; color: blue;">$x > 90$</p>	<p>6 $2(2x - 9) \geq 22$</p> <p style="text-align: center; color: blue;">$x \geq 10$</p>
<p>7 $13b - 12 < 3b + 13$</p> <p style="text-align: center; color: blue;">$b \leq \frac{5}{2}$</p>	<p>8 $n + 1 \geq 3n - 18$</p> <p style="text-align: center; color: blue;">$n \leq \frac{19}{2}$</p>	<p>9 $2(5x + 1) \leq 36$</p> <p style="text-align: center; color: blue;">$x \leq \frac{17}{5}$</p>

10 $-5 \leq x \leq -2$

11 $-3 \leq x < 1$

12 $-2 \leq x \leq 2$

None

0

0, 1, 2

13 $-5 \leq x \leq -2$

14 $-2 \leq x < 1$

15 $-1 \leq x < 1$

-2, -3, -4, -5

-2, -1, 0

-1, 0