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Systems of Inequalities worksheets

Solve each inequality in questions 1-5

1.
$$5x - 7 \ge 8$$
 and $x < 1$

2.
$$11 + 3x \le 17$$
 and $x > 2$

3.
$$x/4 + 1 > 10$$
 and $x \ge 1$

4.
$$3x + 1 \ge 7$$
 and $x \ge 3$

5.
$$-8x + 18 > -22$$
 and $x < -2$

Solve and graph the solution of the inequalities in questions 6-7

6.
$$7x - 19 < 16$$
 and $x < 12$

7.
$$x/8 + 1 < 3$$
 and $x > 6$

- 8. The number of non-negative integers which are not in the solution set of $x^4<5x-23-7x-35$ is ____
- 9. The price of a chocolate is \$3.4, what is the maximum number of chocolates you can buy if you have \$25?
- 10. If 5 times a number is increased by 4, the result is at least 19. Find the least possible number that satisfies these conditions.



When you learn math in an interesting way, you never forget.



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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect.

She is extremely patient and generous with Miranda."

- Gary Schwartz

- Kirk Riley

- Barbara Cabrera

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