An inequality is a pair of expressions or numbers that are not equal.

You can use these signs to express an inequality:

greater than

greater than or equal to

less than

less than or equal to

When you solve an inequality, you need to show all of the values that make the statement true. One way to do this is by graphing the inequality on a number line.

examples: $x \le 7$ (x is less than or equal to 7)

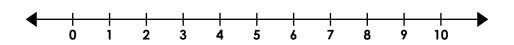


∽PREVIEW~

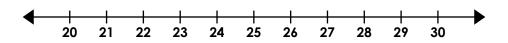
Please log in or register to download the printable version of this worksheet.

pencil or crayon.

1. a ≥ 3 word form:

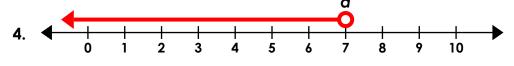


2. 25 > a word form:

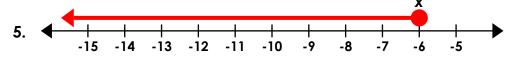


3. *t* ≤ 17 word form: _____

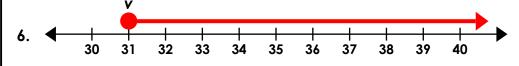
Write the inequality shown by each number line.



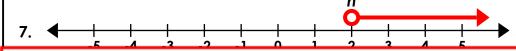
answer: ____



answer: _____



answer: _____



answer: _____



~PREVIEW~

Please log in or register to download the printable version of this worksheet.

- **10.** For the inequality k > 7, Chris says 6.5 and 6 are both solutions. Is he correct? Explain why or why not.
- 11. For the inequality $y \le 9$, Jazmín says 9 and 0 are both solutions. Is she correct? Explain why or why not.
- 12. Kavya is willing to spend \$8 or less on a movie ticket. Show this amount on a number line.

An inequality is a pair of expressions or numbers that are not equal.

You can use these signs to express an inequality:

> greater than > greater than or equal to

When you solve an inequality, you need to show all of the values that make the statement true. One way to do this is by graphing the inequality on a number line.

examples: $x \le 7$ (x is less than or equal to 7)

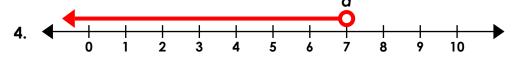
X



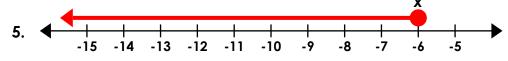
→ PREVIEW ~

Please log in or register to download the printable version of this worksheet.

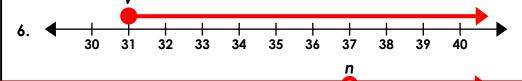
Write the inequality shown by each number line.



answer: a < 7 or 7 > a



answer: $x \le -6$ or $-6 \ge x$



answer: **v** ≥ **31 or 31** ≤ **v**



∽PREVIEW~

Please log in or register to download the printable version of this worksheet.