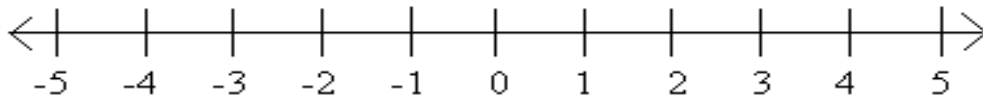
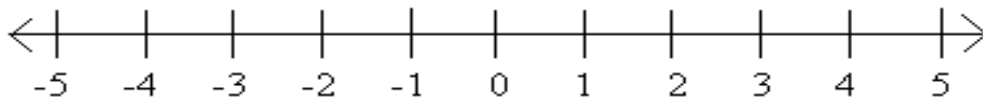


INEQUALITIES – PRACTICE QUESTIONS

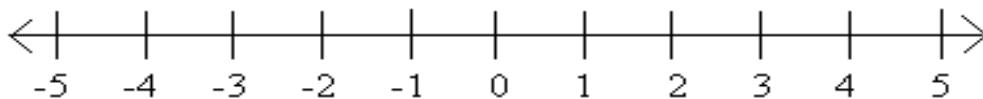
1.
Mark the inequality $x < 4$ on the number line below.



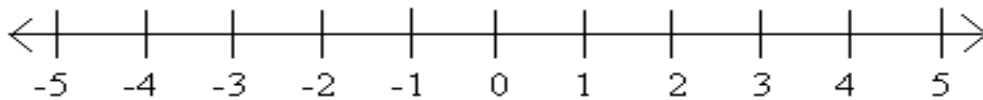
2.
Mark the inequality $x \geq -1$ on the number line below.



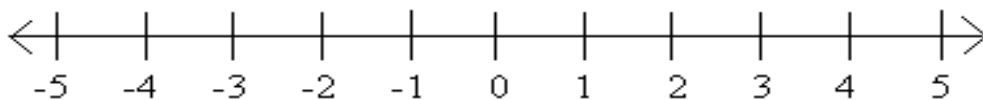
3.
Mark the inequality $-4 < x < 2$ on the number line below.



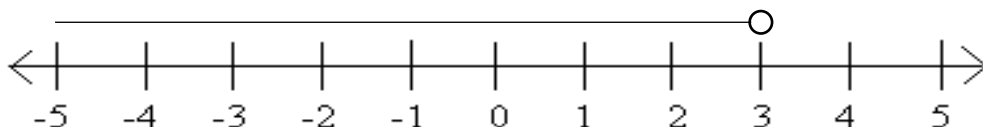
4.
Mark the inequality $0 \leq x \leq 3$ on the number line below.



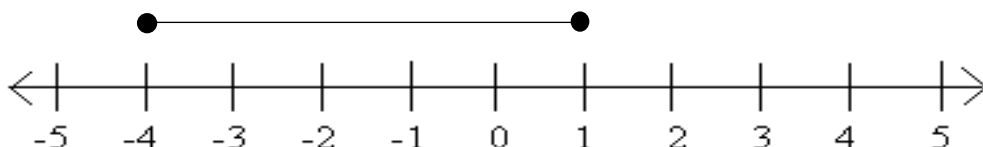
5.
Mark the inequality $-1 \leq x < 5$ on the number line below.



6.
What is the inequality represented on the number line below?

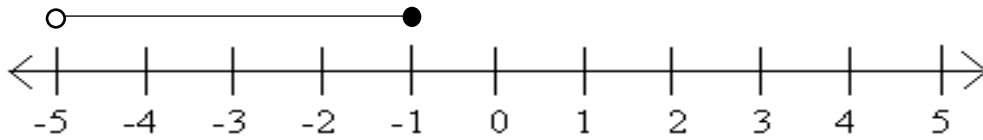


7.
What is the inequality represented on the number line below?



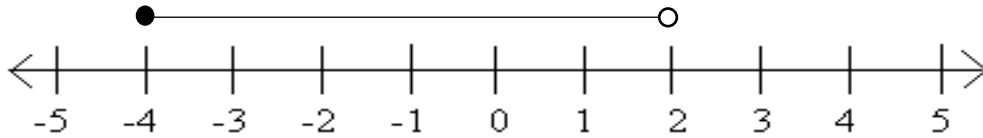
8.

What is the inequality represented on the number line below?



9.

What is the inequality represented on the number line below?



10.

List all integers that satisfy the inequality $-2 < x \leq 6$.

11.

List all integers that satisfy the inequality $-9 \leq x < -2$.

12.

List all integers that satisfy both the inequalities $x < 0$ and $x \geq -8$.

13.

List all integers that satisfy the inequality $\frac{3}{2} < x < 6$.

14.

List all integers that satisfy the inequality $-1 \leq x < \frac{10}{3}$.

15.

List all integers that satisfy the inequality $\frac{2}{5} < x < \frac{13}{4}$.

16.

List all integers that satisfy the inequality $\frac{11}{3} < x < \frac{50}{7}$.

17.

Solve the inequality $3x - 2 < 13$.

18.

Solve the inequality $5x + 11 \geq 46$.

19.

Solve the inequality $7x + 20 > 6$.

20.

Solve the inequality $14 - 3x \leq 2$.

21.

Solve the inequality $21 - 2x \geq -1$.

22.

Solve the inequality $9x - 40 < 14$

23.

Solve the inequality $13 - 6x \leq 49$

24.

Solve the inequality $7x + 18 \leq 5x + 32$.

25.

Solve the inequality $15x - 31 > 8x - 10$.

26.

List all integers that satisfy both the inequalities $4x > -12$ and $x + 3 \leq 7$.

27.

List all integers that satisfy both the inequalities $7x - 3 \geq 18$ and $9x + 7 < 70$.

28.

List all integers that satisfy both the inequalities $4x + 21 < 44$ and $3x - 10 > -16$.

29.

List all integers that satisfy the inequality $8 < 3x \leq 24$.

30.

List all integers that satisfy the inequality $-7 < 4x < 19$.

31.

List all integers that satisfy both the inequalities $5x - 22 < 2$ and $19 - 2x < 24$.

32.

List all integers that satisfy both the inequalities $9x - 16 \geq 4x + 9$ and $91 - 7x > 19$.