



Inequality Diagrams

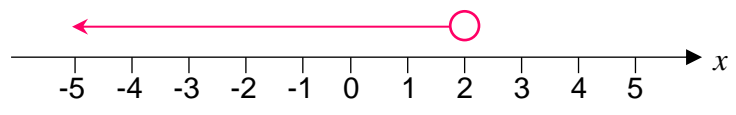


REVISE THIS TOPIC

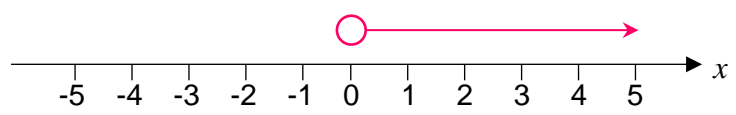
1 On the number line, show the inequality $x \geq -3$ [2 marks]



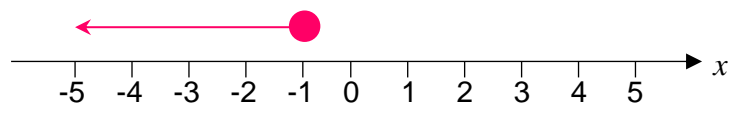
2 On the number line, show the inequality $x < 2$ [2 marks]



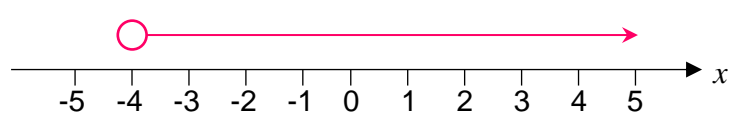
3 On the number line, show the inequality $x > 0$ [2 marks]



4 On the number line, show the inequality $x \leq -1$ [2 marks]

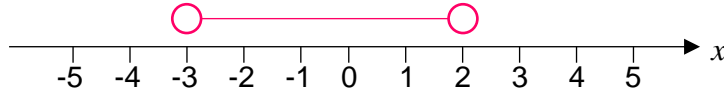


5 On the number line, show the inequality $x > -4$ [2 marks]

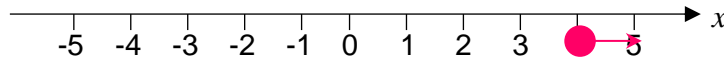




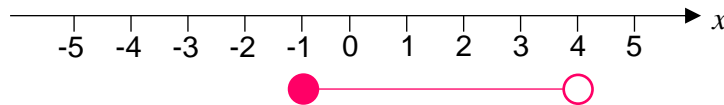
6 On the number line, show the inequality $-3 < x < 2$ [2 marks]



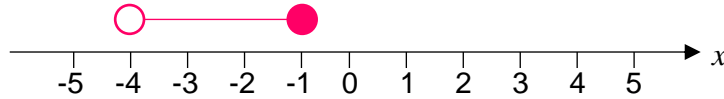
7 On the number line, show the inequality $x \geq 4$ [2 marks]



8 On the number line, show the inequality $-1 \leq x < 4$ [2 marks]



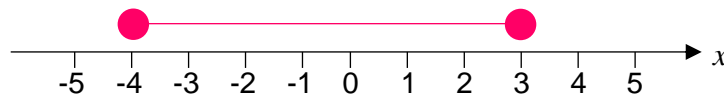
9 On the number line, show the inequality $-4 < x \leq -1$ [2 marks]



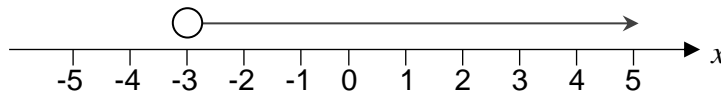
10 On the number line, show the inequality $x < 3$ [2 marks]



11 On the number line, show the inequality $-4 \leq x \leq 3$ [2 marks]

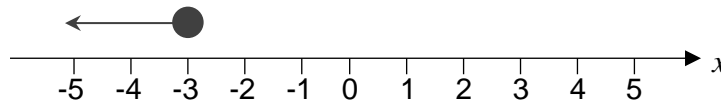


12 Write down the inequality shown on the number line [2 marks]



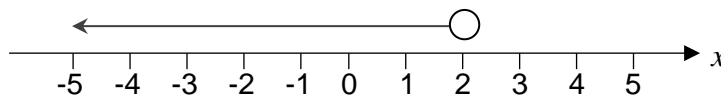
Answer $x > -3$

13 Write down the inequality shown on the number line [2 marks]



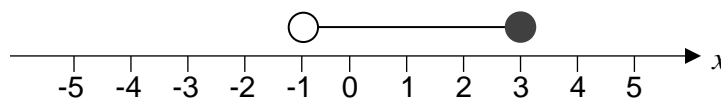
Answer $x \leq -3$

14 Write down the inequality shown on the number line [2 marks]



Answer $x < 2$

15 Write down the inequality shown on the number line [2 marks]



Answer $-1 < x \leq 3$

16 Write down the inequality shown on the number line [2 marks]



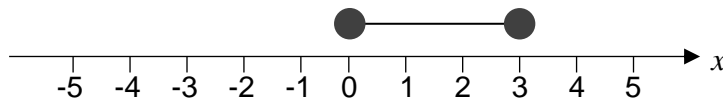
Answer $-4 < x < 2$



Turn over ►

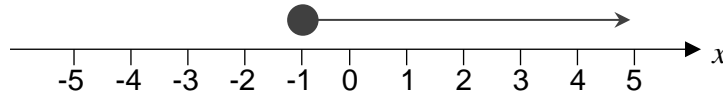


17 Write down the inequality shown on the number line [2 marks]



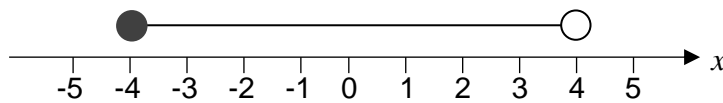
Answer $0 \leq x \leq 3$

18 Write down the inequality shown on the number line [2 marks]



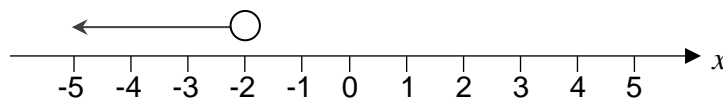
Answer $x \geq -1$

19 Write down the inequality shown on the number line [2 marks]



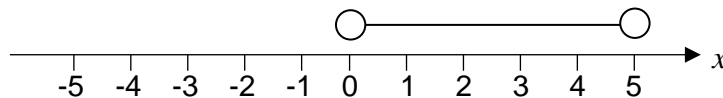
Answer $-4 \leq x < 4$

20 Write down the inequality shown on the number line [2 marks]



Answer $x < -2$

21 Write down the inequality shown on the number line [2 marks]



Answer $0 < x < 5$





22 $5 < m < 10$

m is an integer

Write down all the possible values for m

[2 marks]

Answer 6, 7, 8, 9

23 $2 < t \leq 7$

t is an integer

Write down all the possible values for t

[2 marks]

Answer 3, 4, 5, 6, 7

24 $0 \leq x \leq 5$

x is an integer

Write down all the possible values for x

[2 marks]

Answer 0, 1, 2, 3, 4, 5

25 $-4 \leq p < 2$

p is an integer

Write down all the possible values for p

[2 marks]

Answer -4, -3, -2, -1, 0, 1

26 $-8 < g \leq -2$

g is an integer

Write down all the possible values for g

[2 marks]

Answer -7, -6, -5, -4, -3, -2

