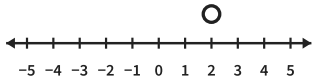


Inequalities on a Number Line

1

Show $x > 2$ on the number line.

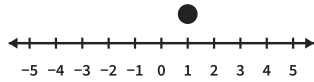


x is _____ greater than _____ 2

Circle _____ open

2

Show $x \leq 1$ on the number line.

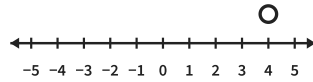


x is _____ 1

Circle _____ closed

3

Show $x < 4$ on the number line.

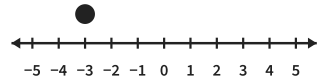


x is _____ 4

Circle _____ open

4

Show $x \geq -3$ on the number line.

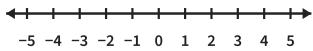


x is _____ -3

Circle _____ closed

5

Show $x > -4$ on the number line.

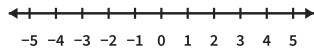


x is _____ -4

Circle _____

6

Show $-2 \leq x < 3$ on the number line.



Whole numbers _____

7

Write the inequality shown.



Inequality _____

8

Write the inequality shown.

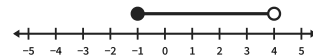


Inequality _____

Inequalities on a Number Line *further practice*

9

Write down the inequality shown.



Inequality _____

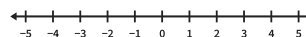
10

A swimming club is for children aged a years, where $8 \leq a < 12$. a is a whole number. List all the ages that can join.

Ages _____

11

Show $x \leq -2.5$ on the number line.



12

To go on a ride you must be at least 120 cm tall. Write an inequality for the height, h cm, of someone who can go on the ride.

Inequality _____

13

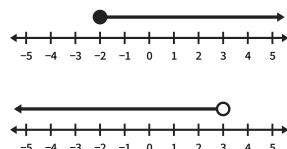
Which of these numbers satisfy $-2 < x \leq 3$?

-2 **-1.5** **0** **3** **3.5**

Answer _____

14

x satisfies both inequalities shown. Write one inequality for x . Then list the whole numbers it could be.

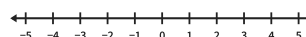


Inequality _____

Whole numbers _____

15

A fridge must be kept warmer than 1°C and no warmer than 5°C . Write an inequality for the temperature, $t^\circ\text{C}$. Show it on the number line.



Inequality _____

16

Kim says there are 5 whole numbers that satisfy $-2 < x < 3$. Is Kim right? Explain.

Answer _____