



Try These !

Fill in the blanks with $<$ or $>$.

1. -7 _____ -8 2. 6 _____ 0 3. -15 _____ 11 4. -9 _____ 0

Ordering Integers

Ascending and Descending Orders

To order integers, we locate each integer on the number line. The integer farthest to the left is the least and the integer to the right is the greatest.

Example 4: Order $-2, -9, 6, 0$ and -5 in ascending order.

Solution: Now, we locate each of the given integers on the number line as shown below:



The integer farthest to the left is -9 , hence the least and farthest to the right is 6 , hence, the greatest. Between -5 and -2 , we can see that, $-5 < -2 < 0$.

Hence, the given numbers arranged in ascending order are $-9 < -5 < -2 < 0 < 6$.

Example 5: Write the integers $-15, 11, -18, -7, 5$ and 1 in descending order from greatest to lowest.

Solution: The numbers arranged in descending order are: $11, 5, 1, -7, -15, -18$.

Exercise 7 B



- Order the integers from least to greatest. Use a number line to locate each point.
 - $7, -2, 6, 0, -5$
 - $-10, 9, -3, -7, 4$
- Order the integers from greatest to least. Use a number line to locate each point.
 - $-8, -2, 6, -7, -3$
 - $-1, 3, -4, -9, 0$
- Write the following integers in ascending order.
 - $-34, 25, -12, 9, -50$
 - $-11, -23, 4, -9, 15$
- Write the following integers in descending order.
 - $-66, 39, 2, -5, -40$
 - $59, -38, 22, -18, 36$
- The given table shows the lowest elevations for the different continents. Order the elevations from least to greatest.
- The temperatures (in degree centigrade) on five nights in the month of January in a hill station were $-5, 1, -7, 3$ and -10 . Arrange the temperatures from greatest to smallest.

Continent	Lowest elevation (in metres)
Asia	-418
Africa	-156
Europe	-28
North America	-86
Australia	-12
South America	-105