

Name:

Grade:

Score:

Worksheet #3



ORDERING INTEGERS

Learning goal: Students will apply the concept of ordering integers to real-life contexts such as temperatures, bank balances, heights, and game scores.

1. The temperatures in four cities are: Delhi = 12°C , Shimla = -4°C , Leh = -10°C , Mumbai = 30°C . Arrange them in ascending order.

2. A bank account has the following balances: ₹-2,000, ₹1,500, ₹-500, ₹3,000. Arrange them in descending order.

3. A submarine is at -200 m , a diver is at -25 m , and a ship is at 50 m above sea level. Arrange these in ascending order.

4. The scores of four players in a video game are: -12 , 35 , -5 , 20 . Arrange them in descending order.

5. The temperatures recorded are: Srinagar = -3°C , Nainital = 7°C , Manali = -8°C , Jaipur = 20°C . Arrange in ascending order.

6. Heights relative to sea level: Mount Everest = $8,849\text{ m}$, Dead Sea = -430 m , Mount Abu = $1,220\text{ m}$, Delhi = 216 m . Arrange in ascending order.

7. A lift is at floor $+5$, another at floor -2 , and one more at floor -7 . Arrange in descending order.

Name:

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Worksheet #3(Answers)



ORDERING INTEGERS

Learning goal: Students will apply the concept of ordering integers to real-life contexts such as temperatures, bank balances, heights, and game scores.

1. The temperatures in four cities are: Delhi = 12°C , Shimla = -4°C , Leh = -10°C , Mumbai = 30°C . Arrange them in ascending order.

Solution: -10°C , -4°C , 12°C , 30°C

2. A bank account has the following balances: ₹-2,000, ₹1,500, ₹-500, ₹3,000. Arrange them in descending order.

Solution: ₹3,000, ₹1,500, ₹-500, ₹-2,000

3. A submarine is at -200 m , a diver is at -25 m , and a ship is at 50 m above sea level. Arrange these in ascending order.

Solution: -200 m , -25 m , 50 m

4. The scores of four players in a video game are: -12 , 35 , -5 , 20 . Arrange them in descending order.

Solution: 35 , 20 , -5 , -12

5. The temperatures recorded are: Srinagar = -3°C , Nainital = 7°C , Manali = -8°C , Jaipur = 20°C . Arrange in ascending order.

Solution: -8°C , -3°C , 7°C , 20°C

6. Heights relative to sea level: Mount Everest = $8,849\text{ m}$, Dead Sea = -430 m , >Mount Abu = $1,220\text{ m}$, Delhi = 216 m . Arrange in ascending order.

Solution: -430 m , 216 m , $1,220\text{ m}$, $8,849\text{ m}$

7. A lift is at floor $+5$, another at floor -2 , and one more at floor -7 . Arrange in descending order.

Solution: $+5$, -2 , -7