

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: $-10^{\circ}\text{C}, -4^{\circ}\text{C}, 12^{\circ}\text{C}, 30^{\circ}\text{C}$

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

Solution: $\text{₹}3,000, \text{₹}1,500, \text{₹}-500, \text{₹}-2,000$

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: $-8^{\circ}\text{C}, -3^{\circ}\text{C}, 7^{\circ}\text{C}, 20^{\circ}\text{C}$

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

Solution: -430 m, 216 m, $1,220$ m, $8,849$ m

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

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