Name: **Grade:**   **Score:**

Worksheet #4

MeandMath
BELIEVE YOURSELF

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. A cricket team lost points: –3, –7, –5, –1. Arrange in ascending order.

2. A shopkeeper's records show: profit ₹1,200, loss ₹–800, profit ₹500, loss ₹–1,500. Arrange in descending order.

3. The daily low temperatures were: Monday = –2°C, Tuesday = –6°C, Wednesday = 3°C, Thursday = 0°C. Arrange in ascending order.

4. The bank balances of four friends are: Alex = ₹–1,500, Sam = ₹2,000, Rio = ₹–700, Zoe = ₹1,250. Arrange their balances in ascending order (least to most wealth).

5. The scores in a math quiz (with penalties for wrong answers): Sarah = +22, Ben = +15, Chloe = –5, David = +18. Arrange the scores in descending order.

6. The elevations of four famous landmarks: Eiffel Tower = +300 m, Great Sphinx = +20 m, Hoover Dam = –221 m (relative to riverbed), Burj Khalifa = +828 m. Arrange in ascending order.

7. The net goal differences for four soccer teams: Team P = –4, Team Q = +6, Team R = 0, Team S = –2. Arrange in descending order (best to worst defense/attack).

Worksheet #4(Answers)

ORDERING INTEGERS

MeandMath ™
BELIEVE YOURSELF

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

1. A cricket team lost points: –3, –7, –5, –1. Arrange in ascending order.

Solution: –7, –5, –3, –1

2. A shopkeeper's records show: profit ₹1,200, loss ₹–800, profit ₹500, loss ₹–1,500. Arrange in descending order.

Solution: ₹1,200, ₹500, ₹–800, ₹–1,500

3. The daily low temperatures were: Monday = –2°C, Tuesday = –6°C, Wednesday = 3°C, Thursday = 0°C. Arrange in ascending order.

Solution: –6°C, –2°C, 0°C, 3°C

4. The bank balances of four friends are: Alex = ₹–1,500, Sam = ₹2,000, Rio = ₹–700, Zoe = ₹1,250. Arrange their balances in ascending order (least to most wealth).

Solution: ₹–1,500 (Alex), ₹–700 (Rio), ₹1,250 (Zoe), ₹2,000 (Sam)

5. The scores in a math quiz (with penalties for wrong answers): Sarah = +22, Ben = +15, Chloe = –5, David = +18. Arrange the scores in descending order.

Solution: +22 (Sarah), +18 (David), +15 (Ben), –5 (Chloe)

6. The elevations of four famous landmarks: Eiffel Tower = +300 m, Great Sphinx = +20 m, Hoover Dam = –221 m (relative to riverbed), Burj Khalifa = +828 m. Arrange in ascending order.

Solution: –221 m, +20 m, +300 m, +828 m

7. The net goal differences for four soccer teams: Team P = –4, Team Q = +6, Team R = 0, Team S = –2. Arrange in descending order (best to worst defense/attack).

Solution: +6 (Q), 0 (R), –2 (S), –4 (P)