

UNIT 5 Data Analysis

Mental Tests

M 5.1 Standard Route *(no calculator)*

1. Calculate the *mean* of 6 and 8. (7)
2. Calculate the (a) *mean* and (b) *range* of 8 and 4. ((a) 6 (b) 4)
3. Calculate the (a) *mean*, (b) *median* and (c) *range* of 4, 6 and 5. ((a) 5 (b) 5 (c) 2)
4. Calculate the *median* of 82, 37 and 42. (42)
5. What is the *range* of this set of data: 4, 6, 7, 20 ? (16)
6. What is the *range* of this set of data: 7, 2, 9, 15 ? (13)
7. What is the *mean* of 10, 12 and 5 ? (9)

M 5.2 Academic Route *(no calculator)*

1. Calculate the *mean* of 7, 10 and 4. (7)
2. Calculate the (a) *mean* and (b) *range* of 6, 9 and 15. ((a) 10 (b) 9)
3. Calculate the (a) *median* and (b) *range* of 7, 2, 6, 3 and 5. ((a) 5 (b) 5)
4. Calculate the (a) *median* and (b) *mean* of 8, 10, 12 and 18. ((a) 11 (b) 12)
5. What is the *range* of this set of data: 4, 7, 11, 22, 2 ? (20)
6. What is the *range* of this set of data: 6, 7, 22, 29, 3 ? (26)
7. What is the *mean* of 108, 101 and 100 ? (103)

M 5.3 Express Route *(no calculator)*

1. Calculate the *mean* of 108, 101 and 109. (106)
2. Calculate the (a) *mean* and (b) *range* of 121, 124 and 127. ((a) 124 (b) 6)
3. Calculate the (a) *mean* and (b) *range* of 3, 17, 22 and 6. ((a) 12 (b) 19)
4. Calculate the *median* of 4, 7, 22 and 30. (14.5)
5. Calculate the (a) *median* and (b) *mean* of 6, 2, 8, 14 and 5. (a) 6 (b) 7)
6. What is the *range* of this set of data: 67, 42, 91 and 108 ? (66)
7. What is the *range* of this set of data: 16, 22, 99, 15 and 121 ? (106)