

Average Formula

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Average Formula

Average Formula PDF For Bank Exams

Average formula: Average is calculated by dividing the sum of all values by the total number of values.

Average Formula = Sum of all values / Total number of values

| Average Formula For Bank Exams | | |
|--------------------------------|---|--|
| S. No | Average | Formula |
| 1. | Average | A sum of all values / Total number of values |
| 2. | A sum of all values | Average x Total number of values |
| 3. | The average of first n natural numbers | $(n + 1) / 2$ |
| 4. | The average of the squares of first n natural numbers | $(n + 1)(2n + 1) / 6$ |
| 5. | The average of cubes of first n natural numbers | $n(n + 1)^2 / 4$ |

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Average Formula

| | | |
|-----|---|-------------------------------------|
| 6. | The average of the first n odd numbers | $(\text{last odd number} + 1) / 2$ |
| 7. | The average of first n even numbers | $(\text{last even number} + 2) / 2$ |
| 8. | The average of squares of the first n consecutive even numbers | $2(n+1)(2n+1) / 3$ |
| 9. | The average of squares of consecutive even numbers till n | $(n+1)(n+2) / 3$ |
| 10. | The average of squares of squares of consecutive odd numbers till n | $n(n+2) / 3$ |
| 11. | If the average of n consecutive numbers is m, then the difference between the smallest and the largest number | $2(m-1)$ |
| 12. | If the number of quantities in two groups is n ₁ and n ₂ and their average is x and y respectively, then the combined average | $(n_1x+n_2y) / (n_1+ n_2)$ |
| 13. | The average of n quantities is equal to x. When a quantity is removed, the average becomes y. Then the value of the removed quantity | $n(x-y) + y$ |

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Average Formula

| | | |
|-----|--|--------------|
| 14. | The average of n quantities is equal to x. When a quantity is added, the average becomes y. Then the value of the new quantity | $n(y-x) + y$ |
|-----|--|--------------|

Deviation Formula

Average derivation formula: The deviation is calculated on the basis of the old average. The deviation formula is,

$$\text{Deviation} = (\text{New average} - \text{Old average}) * \text{Total number of terms}$$

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