Statistics Practice

# 30 Minutes – (Don’t skip any questions)

1. If Hritik paid an average of per sweater for four sweaters, and the average of the sweaters other than the most expensive sweater was , how much did he pay for the most expensive sweater?

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1. Quantitative Comparison:

The product of two integers is 10.

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| Quantity A | Quantity B |
| The arithmetic mean of the integers. | 3 |

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| 1. A > B | 1. B > A | 1. A = B | 1. Can’t be determined |

1. What is the arithmetic mean of the number of degrees in the interior angles of a pentagon and a hexagon?

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1. Which of the following expressions represents the arithmetic mean (average) of the five terms and ?

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1. The mean monthly salary paid to all employees in a company was . The mean monthly salaries paid to male and female employees were and respectively. Determine the percentage of males in the company.

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1. If the mean of a given set of five positive integers is the highest value of the set, which of the following is/are true?

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|  |  | 1. All the values are equal to the mean. |

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1. The average weight for a group of boys was calculated to be . It was later discovered that one weight was misread as instead of the correct value of Calculate the correct mean.

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1. A train travels first at an average rate of and further travels the same distance at an average rate of . What is the average speed (in miles/hr) over the whole distance?

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1. If the sum of three numbers is and the sum of four other numbers is , then the average (arithmetic mean) of all seven numbers is;

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1. If a sum of money is divided equally among children, each child will receive . If another child is added to the group, then when the sum is divided equally among all the children, each child will receive a share. What is the sum of money?

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1. Quantitative Comparison:

M is the average (arithmetic mean) of x and y.

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| Quantity A | Quantity B |
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| 1. A > B | 1. B > A | 1. A = B | 1. Can’t be determined |

1. Which of the following is always true for a set of three consecutive integers?

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|  |  | 1. Range is equal to the middle term |

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1. Quantitative Comparison:

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| --- | --- |
| Quantity A | Quantity B |
| Standard Deviation of | Standard Deviation of |

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| --- | --- | --- | --- |
| 1. A > B | 1. B > A | 1. A = B | 1. Can’t be determined |

1. Quantitative Comparison:

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| --- | --- |
| Quantity A | Quantity B |
| The arithmetic mean of 100, 101 and 103 | The median of 100, 101 and 103 |

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| 1. A > B | 1. B > A | 1. A = B | 1. Can’t be determined |

1. If half the range of the increasing series is equal to its median, what *CANNOT* be the value of ?

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1. The only test scores for the students in a certain class are and . If equals one of the other scores and is a multiple of , what is the mode for the class?

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