

## Practice Questions

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- 1) What is an algorithm?
- 2) Explain need of an algorithm?
- 3) Write an algorithm to find average age of a group of 10 players?
- 4) Write algorithm to this problem: Rams Hewak goes to market for buying some fruits and vegetables. He is having a currency of Rs 500 with him for marketing. From a shop he purchases 2.0 kg Apple priced Rs. 50.0 per kg, 1.5 kg Mango priced Rs.35.0 per kg, 2.5 kg Potato priced Rs.10.0 per kg, and 1.0 kg Tomato priced Rs.15 per kg. He gives the currency of Rs. 500 to the shopkeeper. Find out the amount shopkeeper will return to Rams Hewak. and also tell the total item purchased.
- 5) Find factorial of N?
- 6) Explain steps involve in drawing of a flowchart.
- 7) Explain uses of Flowchart.
- 8) Draw a flowchart to find the sum of first 100 natural numbers.
- 9) Draw a flowchart to find the largest of three numbers x, y and z.
- 10) Draw flowchart for the problem of determining prime number?
- 11) Draw a flowchart which generates first 50 items of the Fibonacci series:  
1, 1, 2, 3, 5, 8,...?
- 12) Design an algorithm to convert a decimal number, n, to binary format?