

### Exercise 24.1

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Question 1: If the heights of 5 persons are 140 cm, 150 cm, 152 cm, 158 cm and 161 cm respectively. Find the mean height.

#### Solution:

The heights of 5 persons are 140 cm, 150 cm, 152 cm, 158 cm and 161 cm (Given)

Mean height = (Sum of heights) / (Total number of persons)

Sum of heights = 140 + 150 + 152 + 158 + 161 = 761Total number of persons = 5

So, Mean height = 761/5 = 152.2

Question 2: Find the mean of 994, 996, 998, 1002, 1000. Solution:

Sum of numbers = 994+996+998+1000+100 = 4990 Total counts = 5

Therefore, Mean = (Sum of numbers)/(Total Counts)

= 4990/5

= 998

Mean = 998

Question 3: Find the mean of first five natural numbers.

### **Solution:**

First five natural numbers are 1, 2, 3, 4, 5.

Sum of all the numbers = 1+2+3+4+5 = 15 Total Numbers = 5

Therefore, Mean = (Sum of numbers)/(Total Numbers) = 15/5

= 3

Mean = 3

### Question 4: Find the mean of all factors of 10.

#### **Solution:**

Factors of 10 are 1, 2, 5, 10.

Sum of all the factors = 1+2+5+10 = 18 Total Numbers = 4

Therefore, Mean = (Sum of factors)/(Total Numbers) = 18/4 = 4.5

Mean = 4.5

#### Question 5: Find the mean of first 10 even natural numbers.

#### Solution:

First 10 even natural numbers = 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

Sum of numbers = 2+4+6+8+10+12+14+16+18+20 = 110

Total Numbers = 10

Now,

Mean = (Sum of numbers) / (Total Numbers)

= 110/10

Mean = 11

Question 6: Find the mean of x, x + 2, x + 4, x + 6, x + 8.

#### **Solution:**

Given numbers are x, x + 2, x + 4, x + 6, x + 8.

Sum of numbers = x+(x+2) + (x+4) + (x+6) + (x+8) = 5x+20

Total Numbers = 5







