### Exercise 24.1

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:

= 15/5 = 3

Mean = 3

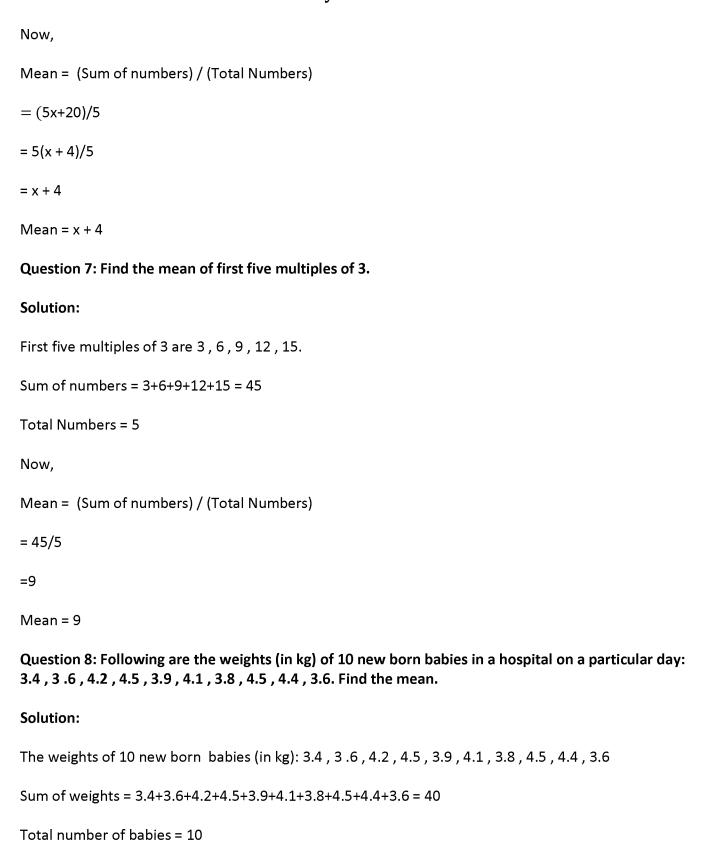
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The heights of 5 persons are 140 cm, 150 cm, 152 cm, 158 cm and 161 cm (Given)
Mean height = (Sum of heights) / (Total number of persons)
Sum of heights = 140 + 150 + 152 + 158 + 161 = 761
Total number of persons = 5
So, Mean height = 761/5 = 152.2
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
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Therefore, Mean = (Sum of numbers)/(Total Numbers)

#### 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 = 18Total Numbers = 4Therefore, Mean = (Sum of factors)/(Total Numbers) = 18/4 = 4.5 Mean = 4.5Question 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 = 110Total Numbers = 10 Now, Mean = (Sum of numbers) / (Total Numbers) = 110/10 Mean = 11Question 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



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No, Mean = (Sum of weights) / (Total number of babies)
= 40/10
= 4
Mean weight = 4 kg
Question 9: The percentage marks obtained by students of a class in mathematics are:
64, 36, 47, 23, 0, 19, 81, 93, 72, 35, 3, 1. Find their mean.
Solution:
The percentage marks obtained by students: 64, 36, 47, 23, 0, 19, 81, 93, 72, 35, 3, 1
Sum of marks = 64+36+47+23+0+19+81+93+72+35+3+1 = 474
Total students = 12
Now, Mean marks = (Sum of marks) / (Total students)
=474/12
= 39.5
Mean Marks = 39.5
Question 10: The numbers of children in 10 families of a locality are:
2, 4, 3, 4, 2, 3, 5, 1, 1, 5. Find the number of children per family.
Solution:
The numbers of children in 10 families: 2, 4, 3, 4, 2, 3, 5, 1, 1, 5
Total number of children = 2+4+3+4+2+3+5+1+1+5 = 30
Total Families = 10
Number of children per family = Mean = (Total number of children) / (Total Families) = 30/10
= 3
Therefore, Number of children per family is 3.
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