

: B) Solve any one of the following.

- 1) The sides of two squares are 4cm and 10 cm respectively. What is their mean perimeter?
- 2) The weights (in kg) of 10 boys from a team are recorded as follows :

55, 53, 48, 47, 54, 49, 64, 45, 55, 50.

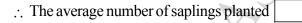
Find their mean weight.

Q.3 : A)Solve any one of the following.(Activity)

1) The following table shows the number of saplings planted by 30 students. Fill in the boxes and find the average number of saplings planted by each student.

Number of saplings (Scores)x _i	Number of students (frequency)f _i	$\mathbf{f}_{i} \times \mathbf{x}_{i}$
1	4	4
2	6	
3	12	
4	8	
	N =	$\sum f_i x_i =$

Mean $\overline{\mathbf{x}} = \frac{|}{|\mathbf{N}|}$

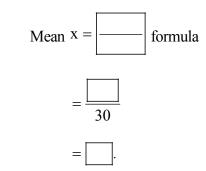


2) The frequency distribution table is given below. Complete the column $f_i \times x_i$ and find the mean score.

Score(x _i)	Tally marks	Frequency f _i	f _i x _i
2		4	
3		3	
4)M M	10	
5)M M	9	
6		4	
		N =	$\sum f_i x_i =$

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: B) Solve any one of the following.

1) In the following table number of saplings planted in the years 2016 and 2017 in four towns is given. Show the data with the help of subdivided bar graph.

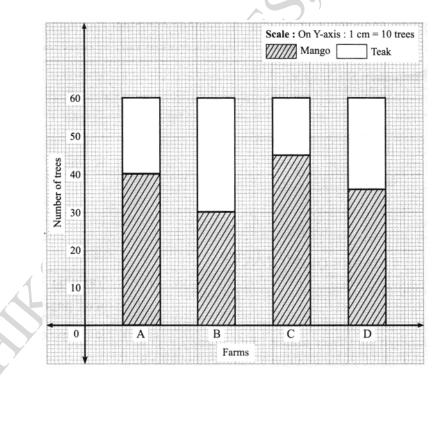
town/ year	Karjat	Wadgoan Shivapur Khanda		Khandala
2016	150	250	200	100
2017	200	300	250	150

2) Show the following information by a percentage bar graph.

Division of standard 8	Α	B	С	D
Number of students	45	33	10	15
securing grade A	43			
Total number of students	60	55	40	75

Q.4 : Solve any one of the following.

1) Observe the subdivided bar graph given below and answer the following questions :



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- i) What is the ratio of the number of teak trees to the number of mango trees in farm A?
- ii) What is the total number of mango trees in four farms?
- iii) What is the ratio of the number of mango trees to the number of teak trees in the farm D?
- iv) In which of the four farms is the number of teak trees the highest?
- 2) The following data is collected in a survey of some students of 10th standard from some schools. Draw the percentage bar graph of the data.

School	1st	2nd	3rd	4th
Inclination towards science stream	90	60	25	16
Inclination towards commerce stream	60	20	25	24

Q.5 : Solve any one of the following.

1) The number of peas in each of the 50 pods is given below :

4, 3, 2, 4, 3, 4, 3, 3, 2, 8, 2, 3, 3, 4, 3, 4, 4, 5, 2, 8, 8, 2, 5, 3, 4, 4, 3, 6, 2, 3, 4, 4, 3, 3, 2, 6, 4, 4, 7, 2, 7, 6, 3, 6, 6, 6, 7, 6, 7, 3.

Find the mean number of peas in each pod.

2) The number of Science and Mathematics projects submitted by Model high school, Nandpur in last 20 years at the state level science exhibition is :

2, 3, 4, 1, 2, 3, 1, 5, 4, 2, 3, 1, 3, 5, 4, 3, 2, 2, 3, 2. Prepare a frequency table and find the mean of the data.

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