

National Progressive Educational Trust's
Club road,Belgaum
FA-II Revision for class VII
Mathematics

1. Solve the given equation

a) $10p + 10 = 100$ b) $2q + 6 = 0$ c) $3s = 0$

2. Set up equation and solve to find the unknown numbers

a) Add 4 to eight times a number, you get 60

b) One-fifth of a number minus 4 gives 3.

3. Complete the last column of the table.

S.No	Equation	Value	Say (Yes/No)
a	$x + 3 = 0$	$x = 3$	
b	$5x = 25$	$x = 5$	
c	$x - 3 = 0$	$x = 3$	
d	$5x = 25$	$x = -5$	
e	$m/3 = 2$	$m = 6$	

4. The scores in mathematics test (out of 25) of 15 students is as follows. Find the mode and median of this data. 19, 25, 23, 20, 20, 15, 10, 16, 25, 20, 24, 12, 20, 19, 15

5. Find the mean of the first five whole numbers.

6. A cricketer scores the following runs in eight innings:

58, 76, 40, 35, 46, 45, 0, 100

Find the mean score.

7. Number of children in six different classes are given. Represent the data on a bar graph.

Class	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth
Number of Children	130	120	100	100	90	80

8. Number of children in six different classes is given below. Represent the data on a bar graph.

Class	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth
Number of Children	135	120	95	100	90	80

(a) How would you choose a scale?

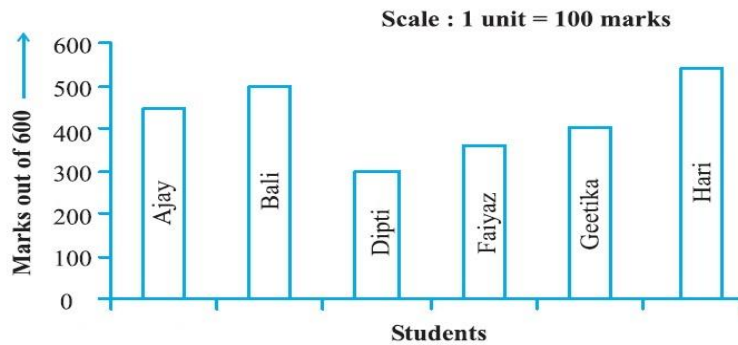
(b) Answer the following questions:

(i) Which class has the maximum number of children? And the minimum?

(ii) Find the ratio of students of Class six to the students of Class eight.

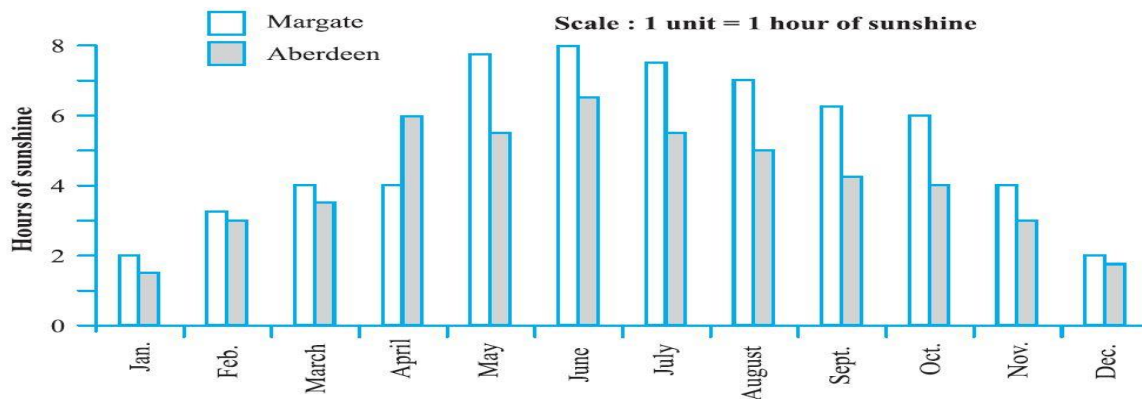
9. Look at the bar graph and fill in the table

Students	Ajay	Bali	Dipti	Faiyaz	Geetika	Hari
Marks obtained				360		540



10. Look at the graph and answer

the following:



- What type of graph represents the data?
- Which two cities are mentioned in the graph?
- Which month has the maximum hours of sunshine in Aberdeen?
- Which month has $1\frac{1}{2}$ hours of sunshine in Aberdeen?

11. Define mean, mode, median?

12. Write equations for the following statements.

- The sum of numbers x and 4 is 9.
- 2 subtracted from y is 8.
- The number b divided by 5 gives 6.
- Seven times m plus 7 gets you 77.

13. Write the following equations in statement forms.

- $p + 4 = 15$
- $m - 7 = 3$

14. Give the steps you will use to separate the variable and then solve the equation.

- $3n - 2 = 46$
- $5m + 7 = 17$

15. Solve the following riddle.

I am a number

Tell my identity

Take me seven times over

And add a fifty

To reach a triple century

You still need forty!