FORMATIVE ASSESSMENT - I
MATHEMATICS
SET – B

Class: VII   **Maximum Marks: 20**
Date: 8.5.2015   **Time allowed: 1 hour**

General Instructions:

- **This question paper contains 7 questions and 2 printed pages.**
- **All the questions are compulsory.**
- **Marks for each question are indicated against it.**

1. a. The absolute value of $\left| 6 \times (-5) - (-3) \right|$ is _____.   **4x½=2**
i. 2   ii. 12   iii. 27   iv. -27

b. In a cricket match, a batsman hits 'six' four times from 12 balls. Find the
probability of not hitting a six.
i. 1/3   ii. 2/3   iii. 2   iv. ½

c. Closure property does not hold true in integers for _____.
i. addition   ii. subtraction   iii. multiplication   iv. division

d. The mean of first five whole numbers is _____.
i.   15   ii. 5   iii. 2   iv. 10

2.   The marks secured in mathematics test (out of 25) by 10 students are as follows: **2**
18, 25, 23, 20, 9, 15, 10, 5, 16, 24
Calculate the median.

3. a. The sum of two integers is 83. If one of the integers is (-49), find the other   **2**
number.
b. What will be the sign of the product, if we multiply together 15 negative integers
and 4 positive integers.

4.   Seema purchased 25 notebooks at Rs. 30 each and sold them at Rs 33 each. What   **3**
is her profit?
She uses the profit money to buy pencils and pens for her maid's children.
Mention one value you observe here.

5.   The marks (out of 100) obtained by a group of students in a Maths test are   **3**
71, 56, 80, 85, 49, 48, 80, 93, 90 and 88. Find

a. Mean marks obtained by the group.

b. Range of the marks obtained.

c. Mode of the marks obtained.

The marks obtained by five students of class VIII in quarterly and half-yearly **4**
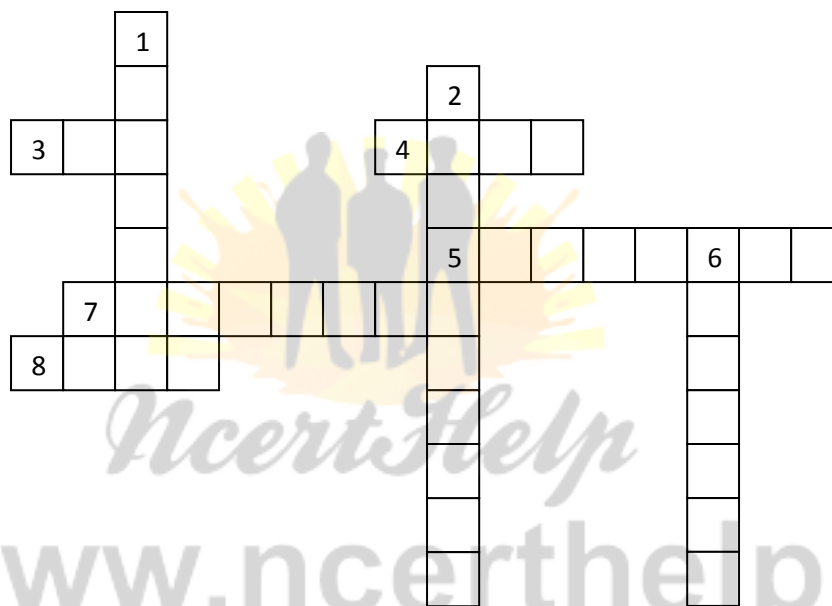examinations, 2010 in Mathematics (out of 50) are given below.

Represent the given data with the help of a double bar graph.

Students	Kareena	Raj	Vishal	Naina	Arun
Quarterly exam	45	15	25	48	39
Half-yearly exam	40	27	47	46	30

7. Complete the crossword: **4**

Across :
   3. Multiplicative identity of integers.
   4. Absolute value of -4.
   5. Associative property does not hold true for _____ of integers.
   7. Sign of the product of 10 positive numbers and 4 negative numbers.
   8. An integer equal to its additive inverse.

Down:
   1. Every positive integer is _____ than 0.
   2. Division by zero is _____.
   6. The sum of two integers is always an _____.