INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT 1 2013-14
MATHEMATICS

Date: 22/05/2013   Marks: 25
Class: VIII   Time: 45 Minutes

SECTION-A
(Each question carries 1 mark)

To fill up the blanks choose the most suitable answers from the options given.

1. There are/is _____ rational number/s between any two rational numbers.
   a) 0   b) 1   c) 2   d) infinite

2. The number ____ has no reciprocal.
   a) 1   b) 0   c) -1   d) 2

3. The solution of the equation $\frac{2x}{5}$ = 12 is _____
   a) 24   b) 6   c) 60   d) 30

SECTION-B
(Each question carries 2 marks)

4. Represent the rational numbers 0, 1, -1, $\frac{2}{5}, \frac{-3}{5}, \frac{-7}{5}, \frac{6}{5}$ on the same number line. (Only one number line should be made)

5. Insert 4 rational numbers between $\frac{-3}{7}$ and $\frac{2}{3}$.

6. Solve the equation: $\frac{x}{7} + 15 = \frac{1}{5}$

7. Solve the equation: $3x - 8 = 16 - x$

SECTION-C
(Each question carries 3 marks)

8. Find the multiplicative inverse of the following and express it as a rational number in the standard p/q form of rational numbers. $\frac{-13}{9} \times \frac{27}{-26}$

9. A sum of Rs 1270 is in the form of denominations Rs 10 and Rs 20. If the total number of notes is 81 find the number of notes of each type.

SECTION-D
(Each question carries 4 marks)

10. Find the value using distributive property: $\left(\frac{6}{11} \times \frac{-7}{5}\right) + \left(\frac{6}{11} \times \frac{5}{3}\right)$

11. A number consists of two digits whose sum is 12. If 54 is subtracted from the number its digits are reversed. Find the number.