

INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT 1 2013-14
MATHEMATICS

Date: 22/05/2013
Class: VIII

Marks: 25
Time: 45 Minutes

SECTION-A

(Each question carries 1 mark)

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

- The number ____ has no reciprocal.
a) 1 b) 0 c) -1 d) 2
- The reciprocal of -7 is _____.
a) -7 b) $\frac{1}{7}$ c) $\frac{-1}{7}$ d) 7
- The solution of the equation $\frac{3x}{5} = 12$ is _____.
a) 24 b) 20 c) 60 d) 30

SECTION-B

(Each question carries 2 marks)

- Represent the rational numbers 0, 1, -1, $\frac{3}{5}$, $\frac{-3}{5}$, $\frac{-6}{5}$, $\frac{7}{5}$ on the same number line. (Only one number line should be made)
- Insert 4 rational numbers between $\frac{-2}{7}$ and $\frac{1}{3}$.
- Solve the equation: $3x - 8 = 12 - x$
- Solve the equation: $\frac{x}{7} + 5 = \frac{1}{10}$.

SECTION-C

(Each question carries 3 marks)

- Find the multiplicative inverse of the following and express it as a rational number in the standard p/q form of rational numbers. $\frac{-13}{12} \times \frac{27}{-26}$
- A sum of Rs 490 is in the form of denominations Rs 10 and Rs 20. If the total number of notes is 32 find the number of notes of each type.

SECTION-D

(Each question carries 4 marks)

- A number consists of two digits whose sum is 11. If 63 is subtracted from the number its digits are reversed. Find the number.
- Find the value using distributive property: $\left(\frac{5}{11} \times \frac{-7}{5}\right) + \left(\frac{5}{11} \times \frac{-5}{3}\right)$