

INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT IV 2013-14
MATHEMATICS

Date: 30.01.2014
Class: VII

Marks: 25
Time: 45 Minutes

General Instructions:

- All questions are compulsory
- The question paper consists of 11 questions divided into 4 sections A,B,C and D. Section-A comprises of 3 questions of 1 mark each, Section-B comprises of 4 questions of 2 marks each, Section-C comprises of 2 questions of 3 marks each and Section-D comprises of 2 questions of 4 marks each.
- Question numbers 1 to 3 in Section-A are multiple choice questions where you are to select one correct option out of the given four.

SECTION-A

1. Which of the following is not an integer but a rational number?
a) 5 b) -9 c) $\frac{5}{6}$ d) 0
2. Which of the following is not a rational number?
a) 4 b) -6 c) $\frac{3}{4}$ d) $\frac{9}{0}$
3. The standard form of $\frac{28}{-48}$ is
- a) $\frac{-28}{48}$ b) $\frac{14}{-24}$ c) $\frac{-7}{12}$ d) $\frac{7}{-12}$

SECTION-B

4. Find which is greater a) $\frac{7}{17}$ or $\frac{2}{3}$? b) $\frac{3}{8}$ or $\frac{4}{10}$?
5. Draw a line l and mark any point P outside it. Construct another line m through P parallel to the line l .
6. What must be added to $\frac{5}{16}$ to get $\frac{-3}{4}$?
7. Multiply and write the answer in standard $\frac{p}{q}$ form: a) $\left(\frac{6}{-13}\right) \times \left(\frac{26}{5}\right)$ b) $\left(\frac{34}{19}\right) \times \left(\frac{-38}{17}\right)$

SECTION-C

8. Represent the numbers 0, 1, -1, $\frac{1}{4}$, $\frac{3}{4}$ and $(-1\frac{1}{2})$ on a number line. (Only one number line to be made).
9. Construct a $\triangle ABC$, with $AB = 6.6\text{cm}$, $BC = 4.4\text{cm}$ and $AC = 6.8\text{cm}$. Measure $\angle B$.

SECTION-D

10. Construct a $\triangle PQR$, with $PQ = 5.9\text{cm}$, $\angle P = 60^\circ$ and $\angle Q = 85^\circ$. Measure sides PR and QR .

11. Divide the following and write the answer in standard $\frac{p}{q}$ form

a) $\frac{5}{11} \div \frac{15}{22}$

b) $\frac{-85}{9} \div \frac{34}{7}$
