

INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT – IV (2015 – 2016)
MATHEMATICS

SET II

CLASS: VII

TIME: 40 MINUTES

DATE: /02/2016

MARKS: 20

Note:

Do the calculations in working column. Give necessary formulae and steps wherever required.

SECTION A (Each question carries **1 mark**)

1. If SP = Rs. 770, CP = Rs. 700, Profit percentage = _____.
(a) 70% (b) 10% (c) 20% (d) 5%
2. Which of the following triangles can be constructed?
(a) AB = 14 cm, BC = 5 cm, AC = 3 cm (b) AB = 4 cm, $\angle B = 120^\circ$, $\angle C = 70^\circ$
(c) AB = 6cm, BC = 7cm, $\angle B = 100^\circ$ (d) none of these.
3. Choose the standard form of $\frac{-12}{-16}$ from the following:
(a) $\frac{12}{16}$ (b) $\frac{-3}{4}$ (c) $\frac{3}{4}$ (d) $\frac{-12}{16}$

SECTION B (Each question carries **2 marks**)

4. Solve the following: (a) $(-8) \times \frac{11}{24}$ (b) $\frac{4}{5} - \frac{1}{2}$
5. Area of a rectangular plot is 880 m² and its length is 44m. Find its perimeter.

SECTION C (Each question carries **3 marks**)

6. List four rational numbers between $\frac{-3}{5}$ and $\frac{-1}{3}$.
7. Construct a right angle triangle PQR where $\angle Q = 90^\circ$, QR = 8 cm and PR = 10 cm.
Also find the length of PQ.
8. Raghav borrowed Rs. 5600 at the rate of 8% p.a. for 3 years and Swamy borrowed Rs. 6700 at the rate of 7% p.a. for 4 years. Who paid a higher interest p.a. and how much more

SECTION D (**1 × 4 = 4**)

9. The area of a square park is the same as of a rectangular park. If the side of the square park is 60 m and length of the rectangular park is 90m, find the breadth of the rectangular park.
Also find the perimeter of the rectangular park.
