

INDIAN SCHOOL SOHAR
SUMMATIVE ASSESSMENT – 1
MATHEMATICS

Class : VII
Date: 20 /9 /15

Time: 2 Hours
Marks: 60

General Instructions

1. All questions are compulsory.
2. The question paper consists of 24 questions divided into four sections A,B,C and D. Section A comprises of 6 MCQ each questions of 1 mark, Section B comprises of 6 questions of 2 marks each, Section C comprises of 6 questions of 3 marks each and Section D comprises of 6 question of 4 marks.

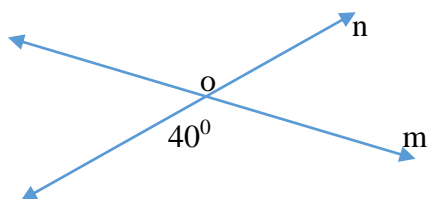
SECTION –A (Each question carries 1 mark)

Choose the correct answer from the options given:

1. The value of $6 - (-8) = \dots\dots$
 (a) 14 (b) (-14) (c) 2 (d) (-2)
2. Reciprocal of $5\frac{5}{8}$ is
 (a) $8\frac{5}{8}$ (b) $5\frac{8}{5}$ (c) $\frac{45}{8}$ (d) $\frac{8}{45}$
3. The value of $30.94 \div 0.7$ is =.....
 (a) 44.2 (b) 4.42 (c) 0.442 (d) 442
4. Find the other supplement angle of 105° is
 (a) 75° (b) 180° (c) 90° (d) 55°
5. The sum of pairs of two complement angles are equal to.....
 (a) 125° (b) 180° (c) 90° (d) 270°
6. How many possible medians are there in any triangle ?
 (a) 2 (b) 1 (c) 3 (d) 6

SECTION –B (Each question carries 2 marks)

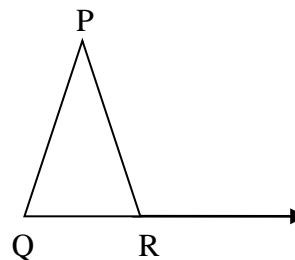
7. Find the value of x and y in the given figure and also write the reason of each angle.



8. Find the value of x and y in the triangle PQR

9. Add : $5\frac{4}{5} + 4\frac{3}{10} + 3\frac{1}{15}$

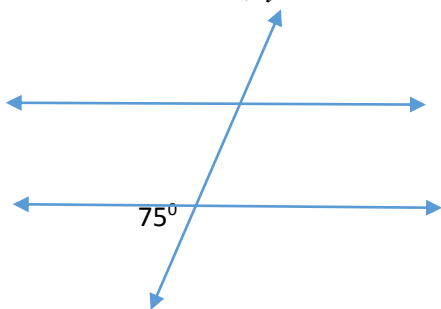
10. Solve the equation: $3x + 11 = 32$



11. The ages in years of 10 teachers of a school are :
32, 41, 28, 54, 35, 26, 23, 33, 38 and 40
Find the mean and the range of the ages of teachers.
12. The length and breadth of the rectangle is 7.1 cm. and 4.5 cm. respectively. Find the area of the rectangle.

SECTION –C (Each question carries 3 marks)

13. (a) Solve the equation : $2(x + 4) = 20$
- 13(b) Set up an equation and solve them to find the unknown number, if 4 is added to eight times a number is 60.
14. Find the value of x , y and z and write the reason too.



15. Find the mode and median of the data: 12, 25, 35, 17, 25, 18, 40, 25, 30, 10, 45.
16. Find the probability of getting the following if a die is thrown:
- Even numbers.
 - Odd numbers.
 - Number less than 3.
17. In an isosceles triangle, the base angles are equal. The vertex angle is 50° . What are the base angles of the triangle.
18. Find the value of the following :
- $0.196 \div 1.4$
 - $0.47 \times 5.3 \times 0.06$

SECTION –D (Each question carries 4 marks)

19. The following table shows the performance of a student in term-1 and term -2 of a school. Represent the data by double bar graph.

Subjects	English	Hindi	Maths	Science	S.Science
Term -1	67	72	88	85	70
Term -2	70	65	96	81	70

20. From the above table answer the following questions:
- Find the median of the marks in term -1.
 - Find the mode of the marks in term -2.
 - Find the range of the marks of term -1.
 - In which subject shows no improvement.

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- The diagram shows two horizontal lines, p and q , intersected by two slanted lines, m and n . Line m intersects line p at an angle of 60° . The angles are labeled as follows:
- At the intersection of line m and line p : 60° (top-left), h (bottom-left), g (bottom-right).
 - At the intersection of line n and line p : d (top-left), c (bottom-left), e (bottom-right), f (top-right).
 - At the intersection of line n and line q : b (bottom-left), a (bottom-right).

[illegible]