

INDIAN SCHOOL SOHAR
SUMMATIVE ASSESSMENT 2
MATHEMATICS

STD VI

DATE : 06-03-2016

Marks: 60

Time: 2 Hours

General Instructions:

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

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

SECTION A

1. The smallest positive integer is _____.
 (a) 0 (b) 1 (c) not determinable (d) none of these
2. The side of a square room is 8m. Area of the carpet needed to cover the floor of the room is _____.
 (a) 64 sq.m. (b) 32 sq.m. (c) 8 sq.m. (d) 16 sq.m.
3. Which of the following is an equation ?
 (a) $6x - 7 > 12$ (b) $2x + 5 = 15$ (c) $\frac{79}{22} > 99$ (d) $13a + 9 \leq 2$
4. The decimal representation of $300 + 90 + 7 + \frac{1}{10} + \frac{8}{100}$ is _____.
 (a) 3907.08 (b) 397.8 (c) 397.08 (d) 397.18
5. 7 : 12 is equivalent to _____.
 (a) 72 : 42 (b) 42 : 71 (c) 42 : 72 (d) 21 : 42
6. A fraction whose numerator is greater than its denominator is called a _____.
 (a) Unit fraction (b) mixed fraction (c) improper fraction (d) proper fraction

SECTION B

7. Draw a circle of radius 5 cm and mark a point X in the interior and Y in the exterior.
8. Write two equivalent ratios of 11 : 8
9. Write a statement for each of the following.
 (a) $3x + 1 = 15$ (b) $\frac{2z}{5} = 8$
10. Find the length of 10 m wide room whose perimeter is 88 m.

11. Temperature of Jammu was 34.5°C on Thursday. Next day, it was 31.9°C . How much fall in the temperature was there on Friday ?
12. Find (a) $(-955) + (-85) - (50)$ (b) $(-27) - 0 + 160$

SECTION C

13. A dice was thrown 25 times and the outcomes were,
4, 2, 1, 4, 5, 6, 1, 2, 4, 5, 3, 2, 1, 3, 6, 5, 4, 1, 4, 5, 4, 2, 1, 6, 5
Write them in tabular form using tally marks.
14. Find (a) $7\frac{3}{7} + \frac{5}{14} - \frac{17}{28}$
(b) There are 40 chairs in a room. 27 chairs are occupied by boys and the remaining by girls. What fraction is occupied by boys and what by girls ?
15. A square tile of white colour has a side 11 cm, another rectangular tile of green colour has length of 150 mm and breadth 6 cm. Find their areas and compare them.
16. Complete the table and find the solution to the equation $4n + 3 = 63$ from the table.

n	4	10	15	20
$4n + 3$				

17. In a group of 30 people, 12 like coffee, 15 like tea and the remaining like juice. Find the following ratios.
- (a) Number of people who like tea : Number of people who like juice
(b) Number of people who like coffee : Number of people who like tea
(c) Number of people who like juice : Number of people who like coffee
18. Construct 135° using ruler and compasses.

SECTION D

19. Two young boys Arvind and Vinay jog daily in the morning. Arvind jogs around a square park of side 30 m. He takes 10 rounds daily. Vinay jogs around a rectangular park of dimensions 40 m by 30 m. He makes 8 rounds daily.
- (a) Find the distances covered by Arvind and Vinay.
(b) Who covers more distance and by how much ?
(c) What qualities do these boys possess ?

20. The following table shows the number of books sold in a bookshop during 6 months.

Months	April	May	June	July	August	September
No. of books sold out	45	60	70	65	90	120

Represent the numerical data as a bar graph choosing a suitable scale and answer the following.

- (a) In which month the sales increased maximum ?
 - (b) In which month was the minimum sale ?
21. Are the ratios 50 gm : 60 gm and 80 kg : 96 kg in proportion ? If so, write the middle terms and extreme terms.
22. Aleena covered a distance of 20 km 712 m. She travelled 17 km 80 m by bus, 1 km 120 m by car and the rest of the distance she walked. How much distance did she walk ?
23. If Vidushi's present age is x years :
- (a) What will be her age 5 years from now ?
 - (b) What was her age two years ago ?
 - (c) Her grandmother's age is 7 times her age, what is her grandmother's age ?
 - (d) Her father's age is 23 years less than her grandmother's age, find her father's age.
24. Resham purchased a packet of 18 pens for Rs. 56 and another packet of 8 pens for Rs. 45. Which packet was costlier and why ?

*******THE END*******