

INDIAN SCHOOL SOHAR
SUMMATIVE ASSESSMENT-2 (2013-2014)
MATHEMATICS

STD: VI
12-03-2014

Marks : 60
Time : 2 Hours

Notes:

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

Section A (Each question carries 1 mark)

1. What fraction of a day is one hour.
A) $\frac{1}{8}$ B) $\frac{1}{12}$ C) $\frac{1}{24}$ D) $\frac{1}{60}$
2. Number of symmetrical lines which can be drawn for an equilateral triangle is
A) 1 B) 2 C) 3 D) 4
3. What is the lowest fractional form of 0.02
A) $\frac{2}{100}$ B) $\frac{1}{50}$ C) $\frac{2}{10}$ D) $\frac{1}{5}$
4. 1 mm = _____ cm
A) 1 B) 0.1 C) 0.01 D) 10
5. Which number represents itself maximum times in the following data;
12, 12, 13, 22, 12, 22, 12, 11, 11, 22, 11
A) 11 B) 12 C) 22 D) 13
6. The perimeter of a regular hexagon is 42 cm. Its side is _____ cm
A) 5 B) 6 C) 7 D) 8
7. The value satisfies the equation $4p = 20$ is _____
A) 3 B) 4 C) 5 D) 6

8. Give the expression for 6 divided by p and the result is subtracted from 8
- A) $8 - \frac{6}{p}$ B) $\frac{6}{p} - 8$ C) $8 - \frac{p}{6}$ D) $\frac{p}{6} - 8$
9. The ratio of 50 gm to 5 kg is _____
- A) 10 : 1 B) 1 : 10 C) 100 : 1 D) 1 : 100
10. The radius of a circle is 6 cm. the diameter of this circle is _____
- A) 3 B) 6 C) 10 D) 12

Section B (Each question carries 2 marks)

11. Express $\frac{54}{5}$ into mixed fraction.
12. Subtract $2\frac{1}{3}$ from $5\frac{1}{6}$.
13. Find the area of a square whose perimeter is 72 cm.
14. Add 92.5, 16.546 and 2.803.
15. Divide Rs. 1080 between Reena and Beena in the ratio 4 :5.
16. Find the perimeter of a rectangular field with side 400 cm and 3.5 m.
17. Check whether 40, 200, 15, 75 are in propotion or not ?
18. Write the following as decimals;
- a) $400 + 2 + \frac{1}{100}$ b) $\frac{6}{25}$

Section C (Each question carries 3 marks)

19. Sony has to travel a distance of 20 km 50 m. She walked 1 km and went by bus for 15 km and hired an taxi car for rest of the distance. How much distance did she travelled by taxi car ?
20. The cost of 5 kg of rice is Rs. 140. Find the cost of 26 kg of same rice.
21. A bath room floor having dimension of 2 m long and 1 m wide is to be paved with square tile of side 20 cm. Find the number of tile required ?

22. Complete the table and find the solution of the equation $\frac{m}{3} = 12$

m	27	30	33	36	39
$\frac{m}{3}$					

23. Construct an angle of 60° and find its axis of symmetry (use ruler and compasses).
24. Number of people using different modes of transport are shown below. Based on the informations given in the pictograph, answer the following questions.

Scale 1 ☺ = 10 people.

Car	☺ ☺ ☺ ☺ ☺
Bus	☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺
Bicycle	☺ ☺ ☺
Scooter	☺ ☺ ☺ ☺ ☺

- Which is the most popular mode of transport ?
- Which two modes of transport are equally liked by people ?
- How many more people like to go by bus than bicycle ?

Section D (Each question carries 4 marks)

25. Neha has brought $\frac{5}{2}$ pieces of bread in her tiffin box while her sister brought $\frac{14}{4}$ pieces of bread. Find;

- Who has brought more pieces of bread and how much more ?
- The total pieces of bread brought by them.

26. If Amina's present age is n years.

- What will be her age after 9 years from now ?
- If her grand father is 5 times her present age, what is her grand father's age ?
- If grand mother is 3 years younger than her grand father, what is grand mother's age ?

27. Draw a line segment of length of 10 cm. Using compasses, divide it into four equal parts.

28. The following table shows the marks obtained by a student. Draw a bar graph choosing scale of 1 unit length = 10 marks.

Subject	Maths	English	Hindi	Science	Arabic
Marks	90	80	70	75	85

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