

SUMMATIVE ASSESSMENT – SECOND TERM**MATHEMATICS****Max. Marks: 100**

Std - VI

Time: 2½ Hrs

Name of the School: _____	Name of the Student: _____
Place: _____	Roll No.: _____

I. Choose the best answer:**10 x 1 = 10**

- Equivalent ratio for 5 : 7 is _____.
a) 9 : 2 b) 10 : 14 c) 28 : 20 d) 14 : 10
- Which one is not a Ratio?
a) $\frac{1}{2}$ b) 2 : 3 c) xy d) 2.14
- 2000 : 1500 is equal to _____.
a) 3 : 4 b) 4 : 3 c) 5 : 3 d) 3 : 5
- The cost of 10 pencils is 120, then the cost of 5 pencils is _____ rupees.
a) 50 b) 60 c) 40 d) 80
- A triangle with three equal sides is called _____.
a) Scalene triangle b) Isosceles triangle c) Equilateral triangle
- _____ are the lines that meet at right angles. ((ie) 90°)
a) Parallel lines b) Perpendicular lines c) Concurrent lines d) Straight lines
- Data collected directly from the source is called _____.
a) Primary data b) Secondary data c) Tertiary data d) Statistics data
- Data collected from Internet, Newspaper, TV, etc is called _____ data.
a) Primary b) Secondary c) Tertiary d) Pictograph
- $\frac{12}{4} = \frac{x}{26^{12}}$. The value of x is _____.
a) 36 b) 36 c) 46 d) 56
- The cost of 10 kg rice is 600 rupees. What is the cost of 20.5 kg of rice?
a) ₹ 1320 b) ₹ 1230 c) ₹ 1260 d) ₹ 1200

II. Fill in the blanks:**5 x 1 = 5**

- If $a : b :: c : d$ then $a \times d =$ _____.
- 120 : 3600 is equal to _____.
- Bermuda triangle is also called as _____ triangle.
- _____ is the number of times a data is occurring in a set on survey
- $SP - CP =$ _____.

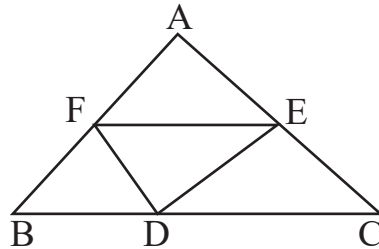
III. Match the following:**5 x 1 = 5**

- $22 + (3 + 8)$ – 351
- LCM of 13, 27 – 33
- Angle below 90° – Hypotenuse
- Angle above 90° – Obtuse angle
- Longest side of a Right triangle – Acute Angle

IV. Do as Directed:

10 x 3 = 30

- Your school has 180 teachers and 3600 students. What is the ratio of teachers to students in your school?
- Two numbers are in the ratio 3:4. If the sum of the numbers is 63, Find the numbers.
- Find SP, if CP = 54000, Loss = 4000
- Define pascals triangle and give suitable example.
- Define symmetry with a suitable example.
- What is data handling?
- Count and name all the triangles in the figure.

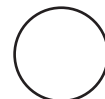
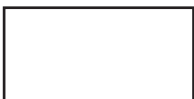


- $34 : 25 :: 68 : y$. Find the value of y .
- If you have 1 bench to 2 students in your class and the class strength is 40. How many benches would you need?
- Divide 450 kg of Rice between two persons in the ratio 4 : 5

V. Answer the following (Any 10):

10 x 5 = 50

- In a school of 4500 students, 2000 are boys and the remaining students are girls. Find the ratio of,
 - Boys to the total number of students in the school.
 - Girls to the total number of students in the school.
 - Boys to the girls in the school.
- Find the missing numbers.
 - $12 : 14 :: x : 42$
 - $100 : 225 :: 1000 : y$
 - $A : 36 :: 28 : 144$
 - $125 : x :: 500 : 1125$
- Name the triangle classified by lengths of the sides. and draw the necessary diagrams.
 - 4cm, 7cm, 4cm
 - 3.5cm, 3.5cm, 3.5cm
 - 4cm, 5cm, 7cm
- Draw the lines of symmetry for the following figures.



- Construct the line segments with given measurements using a compass.
 - $(\overline{XY}) = 6.5 \text{ cm}$
 - $(\overline{AB}) = 8.9 \text{ cm}$
- Answer the following questions using the information given below.

Game	No. of Students
Cricket	☺ ☺ ☺ ☺ ☺ ☺
Football	☺ ☺ ☺
Volleyball	☺ ☺ ☺ ☺ ☺
Tennis	☺ ☺ ☺ ☺
Basketbal	☺
Key ☺ 15	Students

- a) How many students does the key Represent? ☺
 b) Which game do the students like the most?
 c) How many students are there in all?
 d) Which game is the least in all?
7. In a test, that Sudha wrote, the ratio of the right answers to the wrong answers that she got was 9:4. If she got 16 answers wrong, how many did she get right?
8. Find the profit or loss in each of the following:
 a) CP = ₹ 150 ; SP = ₹ 135
 b) CP = ₹ 4000 ; SP = ₹ 5000
 c) CP = ₹ 375 ; SP = ₹ 325
 d) CP = ₹ 15000 ; SP = ₹ 17250
 e) CP = ₹ 375.50 ; SP = ₹ 365.50
9. Compare the following ratios and write in ascending order. 7 : 9, 3 : 4, 5 : 36
10. The temperature recorded on seven days of a month in a city is as follows:

Day	Mon	Tues	Wednes	Thurs	Fri	Sat	Sun
Temperature in degree Celsius	37	35	34	35	39	40	41

- a) Which was the hottest day?
 b) What is the difference between the highest and lowest temperature?
 c) Which two days were equally hot?
11. Say true or false:
 (i) A Ray has two end points
 (ii) A segment has no length.
 (iii) Two points determine a unique line segment.
 (iv) Length of $(\overline{AB}) = \text{length of } (\overline{BA})$
 (v) Two intersecting planes intersect at a point.