



INDIAN SCHOOL DARSAIT
SAMPLE PAPER, FEBRUARY 2018
MATHEMATICS

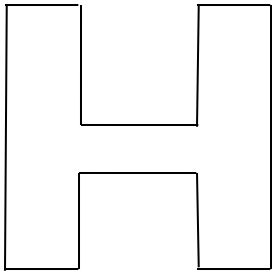


Class: VI	Max. Marks: 80
Date:	Time: _____

General Instructions:

- (i) All questions are compulsory.
- (ii) Calculations should be shown in a working column on the right hand side.

Section – A (Each question carries 1 mark)		
1	Write as decimals i) $\frac{3}{2}$ ii) $\frac{4}{5}$	1
2	i) Write the successor of 347999 ii) Write the predecessor of 5649240	1
3	Use number line to add the following $9 + (-4) = \underline{\hspace{2cm}}$	1
4	a) Write as mixed fraction: $\frac{29}{5}$ b) Write as improper fraction : $3\frac{2}{8}$	1
5	Fill in the blanks $(-3) + (\quad) = - 6$	1
6	Identify the property for whole numbers used here $40 \times 15 = 15 \times 40.$	1
Section – B (Each question carries 2 marks)		
7	Find the sum using suitable rearrangement $836 + 210 + 364$	2

8	Use Trial and Error method to find the solution of $9-y = 6$	2
9	How many lines of symmetry do the following shapes have? a) Rectangle b) Rhombus c) Parallelogram d) Square	2
10	Write the statement for the following algebraic expression $5a - 1$	2
11	Find 12×35 using Distributive Property.	2
12	Draw the lines of symmetry for the following 	2
Section-C (Each question carries 3 marks)		
13	Write 3 equivalent fractions of a) $\frac{2}{3}$ b) $\frac{12}{24}$	3
14	Rohan bought a bag of potatoes weighing 7 kg and 250 g. He used 1 kg 50 g for making potato chips. Find the quantity of potatoes left with him. Write the answer as decimals.	3
15	The length of a rectangular plot is 4 times its breadth. If the perimeter is 150 m, find the dimensions of the plot.	3
16	Represent 7.3 on the number line.	3
17	Draw an angle of measure 45 degree and bisect it.	3
18	Aman is 3 years younger than Sudha. If Aman is x years old, find Sudha's age after 10 years.	3
19	Draw an angle of measure 70 degree and find its line of symmetry.	3

20	Determine if the following numbers are in proportion: 33, 121, 9, 96	3
21	Salim has 25 English story books and 35 Hindi story books. Find the ratio of the number of English story books to the total number of story books.	3
22	Find the value of $\frac{2}{5} + \frac{4}{10}$. Write your answer in the simplest form.	3
Section-D (Each question carries 4 marks)		
23	Arpit played for $2\frac{3}{7}$ of an hour and Arun played for $2\frac{4}{9}$ of an hour. Who played for less time and by how much?	4
24	The area of a rectangle is 192 sq. m. If its length is 16 m, find its breadth. Also find its perimeter.	4
25	A car runs 180 km in 3 hours and a train runs 360 km in 4 hours. Find the ratio of the speed of the car to the speed of the train.	4
26	Draw the perpendicular bisector of a line segment PQ of length 8.4 cm. Take a point M on the bisector. Check whether MP=MQ.	4
27	A family of 4 members consumes 6 kg of sugar in a month. What will be the total consumption of sugar if the total members in the family is 6?	4
28	The dimensions of the floor of a room are 10 m by 9 m. It has to be covered with tiles measuring 0.9 m by 0.5 m. How many such tiles are required?	4
29	Renu did $\frac{1}{2}$ of her work yesterday and $\frac{1}{3}$ of her work today. How much work will she have to do tomorrow to complete her work?	4
30	A milkman has 25 L 300 mL of milk. He gives 9 L 350 mL to one customer and 11 L 400 mL to another customer. How much milk does he have now?	4