

KENDRIYA VIDYALAYA GACHIBOWLI , HYDERABAD - 32
SAMPLE PAPER 01 FOR SA - I (2016-17)

SUBJECT: MATHEMATICS

BLUE PRINT : SA-I CLASS VI

Unit/Topic	VSA (1 mark)	Short answer (2 marks)	Short answer (3 marks)	Long answer (4 marks)	Total
Knowing our Numbers	1(1)	--	1(3)	1(4)	3(8)
Whole Numbers	1(1)	1(2)	1(3)	--	3(6)
Playing with numbers	1(1)	1(2)	1(3)	1(4)	4(10)
Integers	1(1)	1(2)	2(6)	--	4(9)
Basic Geometric Ideas	1(1)	--	1(3)	1(4)	3(8)
Understanding Elementary ideas	1(1)	1(2)	1(3)	1(4)	4(10)
Algebra	2(2)	2(4)	1(3)	--	5(9)
Total	8(8)	6(12)	8(24)	4(16)	26(60)

MARKING SCHEME FOR SA – I

SECTION	MARKS	NO. OF QUESTIONS	TOTAL
VSA	1	8	08
SA – I	2	6	12
SA – II	3	8	24
LA	4	4	16
GRAND TOTAL			60

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CLASS : VI

MAX. MARKS : 60
DURATION : 2½ HRS

General Instructions:

1. All questions are compulsory.
 2. Question paper is divided into four sections: Section A consists 8 questions each carry 1 marks, Sections B consists 6 questions each carry 2 marks, Sections C consists 8 questions each carry 3 marks and Sections D consists 4 questions each carry 4 marks
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SECTION – A

1. Write the names of number 87595762 according to Indian System of Numeration.
2. Write the predecessor of 10000.
3. Find the common factors of 20 and 28
4. How many lines can pass through one given point?
5. What is the measure of (i) a right angle? (ii) a straight angle?
6. Which number will we reach if we move 4 steps to the right of – 6.
7. The side of an equilateral triangle is l . Express the perimeter of the equilateral triangle using l .
8. The teacher distributes 5 pencils per student. Can you tell how many pencils are needed, given the number of students? (Use s for the number of students.)

SECTION – B

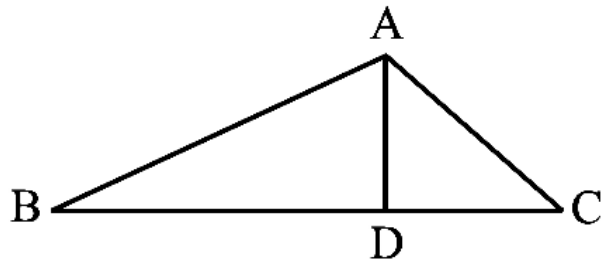
9. Find the value of the following:
(a) $297 \times 17 + 297 \times 3$ (b) $54279 \times 92 + 8 \times 54279$
10. What fraction of a clockwise revolution does the hour hand of a clock turn through, when it goes from (a) 3 to 9 (b) 4 to 7?
11. Express the following as the sum of two odd primes: (a) 44 (b) 36
12. Give expressions in the following cases. (a) 11 added to $2m$ (b) 11 subtracted from $2m$
13. Mother has made laddus. She gives some laddus to guests and family members; still 5 laddus remain. If the number of laddus mother gave away is l , how many laddus did she make?
14. Represent the following numbers on a number line : (a) + 5 (b) – 10

SECTION – C

15. Write in Roman Numerals (a) 69 (b) 98 (c) 55

16. Find the product using suitable properties.
(a) 738×103 (b) 854×102

17. (a) Identify three triangles in the figure.
(b) Write the names of seven angles.
(c) Write the names of six line segments.



18. Find
(a) $(-7) - 8 - (-25)$
(b) $(-13) + 32 - 8 - 1$
(c) $(-7) + (-8) + (-90)$

19. Using divisibility tests, determine which of following two numbers are divisible by 6:
(a) 297144 (b) 1258

20. Find the sum :
(a) $(-7) + (-9) + 4 + 16$ (b) $(37) + (-2) + (-65) + (-8)$

21. Give expressions for the following cases.
(a) 7 added to p (b) 7 subtracted from p
(c) p multiplied by 7 (d) p divided by 7

22. Name the types of following triangles :
(a) Triangle with lengths of sides 7 cm, 8 cm and 9 cm.
(b) ΔABC with $AB = 8.7$ cm, $AC = 7$ cm and $BC = 6$ cm.
(c) ΔPQR such that $PQ = QR = PR = 5$ cm.

SECTION – D

23. The number of sheets of paper available for making notebooks is 75,000. Each sheet makes 8 pages of a notebook. Each notebook contains 200 pages. How many notebooks can be made from the paper available?
24. In a morning walk, three persons step off together. Their steps measure 80 cm, 85 cm and 90 cm respectively. What is the minimum distance each should walk so that all can cover the same distance in complete steps? What are the benefits of morning walk?
25. How many right angles do you make if you start facing
(a) south and turn clockwise to west?
(b) north and turn anti-clockwise to east?
(c) west and turn to west?
(d) south and turn to north?
26. Draw any circle and mark
(a) its centre (b) a radius (c) a diameter (d) a sector
(e) a segment (f) a point in its interior (g) a point in its exterior (h) an arc

