

KENDRIYA VIDYALAYA SANGATHAN, HYDERABAD REGION
SAMPLE PAPER 02 FOR HALF YEARLY EXAM (2017-18)

SUBJECT: MATHEMATICS

BLUE PRINT FOR HALF YEARLY EXAM: CLASS VI

Unit/Topic	VSA (1 mark)	Short answer (2 marks)	Short answer (3 marks)	Long answer (4 marks)	Total
Knowing our Numbers	--	1(2)	1(3)	1(4)	3(9)
Whole Numbers	1(1)	1(2)	1(3)	1(4)	4(10)
Playing with numbers	1(1)	--	2(6)	1(4)	4(11)
Basic Geometric Ideas	--	1(2)	1(3)	1(4)	3(9)
Understanding Elementary ideas	1(1)	1(2)	1(3)	1(4)	4(10)
Integers	1(1)	1(2)	1(3)	1(4)	4(10)
Fractions	1(1)	1(2)	1(3)	1(4)	4(10)
Decimals	1(1)	--	2(6)	1(4)	4(11)
Total	6(6)	6(12)	10(30)	8(32)	30(80)

MARKING SCHEME FOR HALF YEARLY EXAM

SECTION	MARKS	NO. OF QUESTIONS	TOTAL
VSA	1	6	08
SA – I	2	6	12
SA – II	3	10	30
LA	4	8	32
GRAND TOTAL			80

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SUBJECT: MATHEMATICS
CLASS : VI

MAX. MARKS : 80
DURATION : 3 HRS

General Instructions:

- (i). All questions are compulsory.
 - (ii). This question paper contains **30** questions divided into four Sections A, B, C and D.
 - (iii). **Section A** comprises of 6 questions of **1 mark** each. **Section B** comprises of 6 questions of **2 marks** each. **Section C** comprises of 10 questions of **3 marks** each and **Section D** comprises of 8 questions of **4 marks** each.
 - (iv). Use of Calculators is not permitted
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SECTION – A

1. Write the successor of 1099999.
2. Find the HCF of 24 and 36
3. What is the measure of (i) a two right angle? (ii) a complete angle?
4. Which number will we reach if we move 5 numbers to the left of 1.
5. Write $\frac{3}{4}$ as a fraction with denominator 44.
6. The length of Ramesh's notebook is 9 cm 5 mm. What will be its length in cm?

SECTION – B

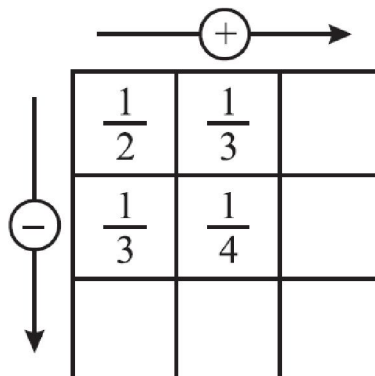
7. Find the value of the following:
(a) $81265 \times 169 - 81265 \times 69$ (b) $3845 \times 5 \times 782 + 769 \times 25 \times 218$
8. Find the number of right angles turned through by the hour hand of a clock when it goes from
(a) 3 to 6 (b) 2 to 8 (c) 5 to 11 (d) 10 to 1
9. Represent the following numbers on a number line : (a) + 4 (b) – 8
10. Draw a rough sketch of a triangle ABC. Mark a point P in its interior and a point Q in its exterior. Is the point A in its exterior or in its interior?
11. Subtract $1\frac{1}{4}$ from $6\frac{1}{2}$
12. Place commas correctly and write the numerals:
(a) Seventy three lakh seventy five thousand three hundred seven.
(b) Nine crore five lakh forty one.
(c) Seven crore fifty two lakh twenty one thousand three hundred two.
(d) Fifty eight million four hundred twenty three thousand two hundred two.

SECTION – C

13. Write in Roman Numerals (a) 73 (b) 92 (c) 66.
14. Find the product by suitable rearrangement: (a) $25 \times 8358 \times 4$ (b) $625 \times 3759 \times 8$
15. Draw a rough sketch of a quadrilateral PQRS. Draw its diagonals. Name them. Is the meeting point of the diagonals in the interior or exterior of the quadrilateral?
16. A number is divisible by both 5 and 12. By which other number will that number be always divisible?
17. Nandini's house is $\frac{9}{10}$ km from her school. She walked some distance and then took a bus for $\frac{1}{2}$ km to reach the school. How far did she walk?
18. Using divisibility tests, determine which of following two numbers are divisible by 6:
(a) 438750 (b) 1790184
19. Find the sum : (a) $-312, 39$ and 192 (b) $-50, -200$ and 300
20. 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
21. Write as fractions in lowest terms. (a) 2.34 (b) 0.342
22. Name the types of following triangles :
(a) $\triangle DEF$ with $m \angle D = 90^\circ$
(b) $\triangle XYZ$ with $m \angle Y = 90^\circ$ and $XY = YZ$.
(c) $\triangle LMN$ with $m \angle L = 30^\circ$, $m \angle M = 70^\circ$ and $m \angle N = 80^\circ$.

SECTION – D

23. Kirti bookstore sold books worth Rs 2,85,891 in the first week of June and books worth Rs 4,00,768 in the second week of the month. How much was the sale for the two weeks together? In which week was the sale greater and by how much?
24. The school canteen charges Rs 20 for lunch and Rs 4 for milk for each day. How much money do you spend in 5 days on these things? How many days can be paid for charges with the money Rs. 600.
25. Complete the addition-subtraction box.



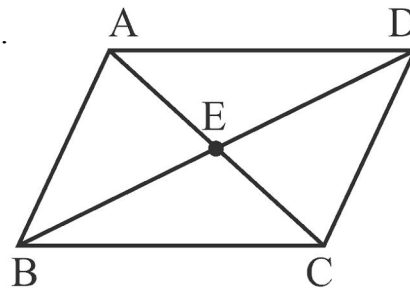
26. Express as km using decimals. (a) 8 m (b) 88 m (c) 8888 m (d) 70 km 5 m

27. Using the number line write the integer which is :

- (a) 3 more than 5
- (b) 5 more than -5
- (c) 6 less than 2
- (d) 3 less than -2

28. The traffic lights at three different road crossings change after every 48 seconds, 72 seconds and 108 seconds respectively. If they change simultaneously at 7 a.m., at what time will they change simultaneously again? Why it is recommended to stop the vehicle engine at the red light signals?

29. In the Fig., (a) name any four angles that appear to be acute angles.
(b) name any two angles that appear to be obtuse angles.



30. Where will the hour hand of a clock stop if it starts

- (a) from 6 and turns through 1 right angle?
- (b) from 8 and turns through 2 right angles?
- (c) from 10 and turns through 3 right angles?
- (d) from 7 and turns through 2 straight angles?

