

KENDRIYA VIDYALAYA SANGATHAN, MUMBAI REGION

HALF YEARLY EXAMINATION -2025-26

(Sample Paper)

CLASS: VII

TIME:2 HOURS 30 MIN

MAX MARKS: 60

SUBJECT:MATHEMATICS

GENERAL INSTRUCTIONS:

- The Question paper consists of 30 Questions, comprising of 5 sections A, B, C, D, and E
- Section A consists of 16 MCQ's 1 Mark each.
- Section B consists of 05 VSA (Very Short Answer) Questions 2 Marks each.
- Section C consists of 04 SA (Short Answer) Questions 3 Marks each
- Section D consists of 03 Case Study Questions 4 Marks each.
- Section E consists of 02 LA (Long Answer) Questions 5 Marks each

S.NO	SECTION A	MARKS
Q.NO:01	Numeral for the following number name: Nine crore sixty three thousand five hundred and nine (a) 9,00,36,905 (b) 9,01,63,509 (c) 9,00,63,509 (d) 9,00,63,590	1
Q.NO:02	The largest digit number using the digits 1,8,9,7,5 and 0 (a) 108975 (b) 809751 (c) 917580 (d) 987510	1
Q.NO:03	The number name for number '13,78,426' is (a) 13 Lakh 68 thousand 426 (b) Thirteen lakh seventy-eight thousand four hundred twenty-six (c) One Billion 378 thousand four hundred twenty-six (d) None of these	1
Q.NO:04	Find the difference between the greatest 5 digit and the least 3 digits (a) 99999 (b) 99899 (c) 898989 (d) 899999	1
Q.NO:05	How many zeros are there in one Arab (a) 11 (b) 5 (c) 15 (d) 9	1
Q.NO:06	For a school function, 12 classes participate with 28 students each. If 45 students are absent on the day, write an expression for students present. (a) $(12 \times 28) - 45$ (b) $(12 - 45) \times 8$ (c) $(45 - 12) \times 8$ (d) $(45 \times 8) - 12$	1
Q.NO:07	Value of $(48 \div 12) + (36 \div 6)$ (a) 6 (b) 10 (c) 12 (d) 14	1
Q.NO:08	A school planned a picnic. The following expenses were recorded, bus rent = ₹2500, food packets for 60 students at ₹75 each, water bottles for 60 students at ₹10 each find the total cost of water bottles? (a) ₹400 (b) ₹500 (c) ₹600 (d) ₹700	1
Q.NO:09	Simplify: $(25 \div 5) + (36 \div 6) - (42 \div 6) - (12 \div 2)$ (a) -12 (b) -2 (c) -20 (d) -18	1

Q.NO:10	Ravi went to a supermarket. He bought 4 kg rice at ₹48 per kg 3 packets of biscuits at ₹25 each 2 kg sugar at ₹40 per kg. What is the cost of sugar and rice? (a) 277 (b) 727 (c) 272 (d) 274	1
Q.NO:11	Which is greater 0.6, 0.06, 0.006, 0.0006 ? (a) 0.0006 (b) 0.006 (c) 0.06 (d) 0.6	1
Q.NO:12	A rope of length 12.5 m is cut into 5 equal parts. The length of each part is: (a) 2.15 m (b) 2.25 m(c) 2.5 m(d) 2.05 m	1
Q.NO:13	Express $\frac{7}{20}$ as a decimal. (a) 0.7(b) 0.35(c) 0.352 (d) 0.45	1
Q.NO:14	$2.35 + 7.025 = ?$ (a) 9.025 (b) 9.35 (c) 9.375 (d) 9.385	1
Q.NO:15	If a pencil costs ₹2.50, what is the cost of 122 pencils? (a) ₹122 (b) ₹305 (c) ₹311 (d) ₹321	1
Q.NO:16	‘Three times a number m added to 20’ gives (a) $3m-20$ (b) $m+20$ (c) $20+2m$ (d) $3m+20$	1

S.NO	SECTION B	MARKS
Q.NO:17	Simplify the following $72 \times 9 \div 3 - 150$	2
Q.NO:18	A school printed 18,450 tickets for its annual day and sold 16,925 tickets. How many tickets remained unsold?	2
Q.NO:19	Find the sum and also difference of $15\frac{6}{10} \frac{4}{100} + 14\frac{3}{10} \frac{6}{100}$	2
Q.NO:20	A fruit seller sells 2.5 kg of apples at the rate ₹120 per kg. Find the cost of apples.	2
Q.NO:21	Write algebraic expression using letter of your choice a) 15 more than a number b) 7 less than 7 times a number	2

S.NO	SECTION C	MARKS
Q.NO:22	A stadium has a seating capacity of 1,25,750. On match day, 1,18,465 people attended. a) How many seats were vacant? b) If the average ticket price was ₹250, what was the total collection?	3
Q.NO:23	Ravi buys 8.5 litres of petrol. Cost of 1 litre = ₹100. Find the cost of petrol. If he also buys 2 litres of diesel at ₹89 per litre, Find his total bill.	3
Q.NO:24	Convert the followings a) 32 kg = gm b) 6250 cm = m c) 7500 ml = liter	3
Q.NO:25	The sum of two numbers is 66. One number is twice the other. Find the numbers	3

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Q.NO:26	Observe the population of the cities in the table below: Observe the populations of some Indian cities in the table below. <table><tr><th>Rank</th><th>City</th><th>Population (2011)</th><th>Population (2001)</th></tr><tr><td>1</td><td>Mumbai</td><td>1,24,42,373</td><td>1,19,78,450</td></tr><tr><td>2</td><td>New Delhi</td><td>1,10,07,835</td><td>98,79,172</td></tr><tr><td>3</td><td>Bengaluru</td><td>84,25,970</td><td>43,01,326</td></tr><tr><td>4</td><td>Hyderabad</td><td>68,09,970</td><td>36,37,483</td></tr><tr><td>5</td><td>Ahmedabad</td><td>55,70,585</td><td>35,20,085</td></tr><tr><td>6</td><td>Chennai</td><td>46,81,087</td><td>43,43,645</td></tr><tr><td>7</td><td>Kolkata</td><td>44,86,679</td><td>45,72,876</td></tr><tr><td>8</td><td>Surat</td><td>44,67,797</td><td>24,33,835</td></tr><tr><td>9</td><td>Vadodara</td><td>35,52,371</td><td>16,90,000</td></tr><tr><td>10</td><td>Pune</td><td>31,15,431</td><td>25,38,473</td></tr><tr><td>11</td><td>Jaipur</td><td>30,46,163</td><td>23,22,575</td></tr><tr><td>12</td><td>Lucknow</td><td>28,15,601</td><td>21,85,927</td></tr><tr><td>13</td><td>Kanpur</td><td>27,67,031</td><td>25,51,337</td></tr><tr><td>14</td><td>Nagpur</td><td>24,05,665</td><td>20,52,066</td></tr></table> From the information given the table, answer the following questions: (a)What is an appropriate title for the above table (b)Which city’s population increased the most between 2001 and 2011? c) What is the difference in the population of Ahmedabad compared to 2001 and 2011? (d)Are there cities whose population has almost doubled? Which are they?	Rank	City	Population (2011)	Population (2001)	1	Mumbai	1,24,42,373	1,19,78,450	2	New Delhi	1,10,07,835	98,79,172	3	Bengaluru	84,25,970	43,01,326	4	Hyderabad	68,09,970	36,37,483	5	Ahmedabad	55,70,585	35,20,085	6	Chennai	46,81,087	43,43,645	7	Kolkata	44,86,679	45,72,876	8	Surat	44,67,797	24,33,835	9	Vadodara	35,52,371	16,90,000	10	Pune	31,15,431	25,38,473	11	Jaipur	30,46,163	23,22,575	12	Lucknow	28,15,601	21,85,927	13	Kanpur	27,67,031	25,51,337	14	Nagpur	24,05,665	20,52,066	1 1 1 1
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Q.NO:27	 Children in a class are playing “fire in the mountain, run, run, run”. Whenever teacher calls out a number, students are supposed to arrange themselves in the group of that number. There are 45 students in the class. For example, teacher called out ‘6’, then the children arranged as $(6 \times 7) + 3$. write the expression and terms: (a) Teacher called out ‘7’. (b) Teacher called out ‘10’. (c) Teacher called out ‘5’. (d) What will be the expression for both the option (b) and (c) if combined together). Find the total number of students for this expression.	1 1 1 1																																																												

Q.NO:28	 In a country of 19,56,251 people 1,60,521 like cricket,12,361 like football, The rest like other games. (a) How many people like cricket and football? (b) What is the fraction of both the games cricket and football to the total people (c) How many more people like other games? (d) What is the fraction of the people like other games to total people?	4
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S.NO	SECTION E	MARKS
Q.NO:29	Solve : (a) $8 \times 9 - 17 + (12 \times 7)$ (b) $15 \times 4 - 35 + (26 \times 5)$ (c) $144 \div 8 + 29$	2 2 1
Q.NO:30	A factory produced 5,46,235 bicycles in the year 2022 and 4,89,657 bicycles in the year 2023. (a) Find the total production in two years. (b) How many more bicycles were produced in 2022 than in 2023? (c) Write the total production in words (Indian system).	2 2 1