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**THE MAURYA SCHOOL, PALAM VIHAR, GURGAON**

**SESSION 2013-2014**

**GRADE – V**

**MENTAL MATHS SHEET**

**Q1 Make the smallest and largest numbers by using the given digits only once :**

 **Digits Smallest number Largest number**

**1. 4, 6, 8, 0, 3, 9 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2. 9, 7, 2, 5, 4, 8 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**3. 7, 3, 1, 6, 5, 9 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4. 8, 2, 3, 9, 4, 5, 7 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**5. 6, 4, 5, 8, 1, 7, 3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q2 How many 2-digit numbers are there?**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q3 How many 3-digit numbers are there?**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q4 How many 4-digit numbers are there?**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q5 How many 5-digit numbers are there?**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q6 Write all possible three-digit numbers, the sum of whose digits is 3.**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q7 Write all possible three-digit numbers, the sum of whose digits is 4.**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q8 Write all possible three-digit numbers, the sum of whose digits is 24.**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q9 Write the smallest six-digit number with different digits and having 4 in tens place.**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q10 Write the greatest five-digit number with different digits and having 9 in hundreds**

 **Place.**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q11 How many digits are there between 100 and 200 in which the first and last digits are**

 **same? Write them.**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q12 Write all the numbers from 9 to 54 which are divisible by 3 but not by 9.**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q13 How many numbers from 11 to 50 are there which are exactly divisible by 7 but not**

 **by 3?**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q14 How many even numbers are there in the following sequence each of which is**

 **immediately followed by an even number and immediately preceded by an odd**

 **number?**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **1 6 2 3 4 5 2 3 7 6 8 9 5 4 2 5 8 7 9 4 6**

**Q15 How many odd numbers are there in the following sequence each of which is**

 **immediately followed by an odd number ?**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **5 1 4 7 3 9 8 5 7 2 6 3 1 5 8 6 3 8 5 2 2 4 3 4 9 6**

**Q16 If each of the odd digits in the number 54638 is decreased by 1 and each of the even**

 **digits is increased by 1, then what will be the sum of the digits of the new number?**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q17 The positions of how many digits in the number 321465987 will remain same when**

 **the digits are arranged in ascending order?**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q18 How many 7’s in the following number sequence are preceded by 9 and followed by**

 **6?**

 **7 8 9 7 6 5 3 4 2 8 9 7 2 4 5 9 2 9 7 6 4 7**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Mental Ability- Grade-V**

1. What decimal should be added to 15.236 to get the sum 15.281 ?
2. 10.045 B) 10.45
3. 0.045 D) 10.25
4. Which one of the following digits will come in the extreme right to the sum of 4.235 + 56.230

 + 45 + 2.02 + 0.2316 ?

1. 6 B) 8

 C) 3 D) 0

1. What least number should be subtracted from 23.56 so that position of the digits in decimal part gets interchanged?
2. 1.09 B) 0.91

 C) 0.1 D) 0.65

1. What least number should be added to 23.65 so that it becomes 456.32?
2. 432.67 B) 479.97

 C) 452.47 D) 477.57

1. Lina bought a second hand car for Rs. 976.75 and her overhead expense was Rs. 50.25. She sold it for Rs. 1037.75 what was her gain or loss?
2. Rs. 10 loss B) Rs. 15 loss

 C) Rs. 10 gain D) Rs. 10 gain

1. 5.62×36.3×0.3, find the di8git that is at the ten thousandths place in the product?
2. 0 B) 8

 C) 5 D) 4

1. Which one of the following is the product of 54 and 45.26?
2. 244.604 B) 2444.04

 C) 240.0444 D) 246.44

1. Find the area of a rectangle whose length is 1.235m and width is 0.73m.?
2. 0.90155 B) 09.0155

 C) 090.155 D) 0901.55

1. Area of a rectangle is 1.7952 km2. If breadth of the rectangle is 0.24 km, find the length of the

 rectangle

1. 7.48 km B) 7.50 km

 C) 6.48 km D) 8.46 km

1. Find the sum of 32.45 and 78.23
2. 120.68 B) 110.68

 C) 114.68 D) 130.68

1. Find the difference between 456.5 and 36.32
2. 420.18 B) 520.18

 C) 620.18 D) 720.18

1. Find the product of 32.7 and 24.2
2. 420.18 B) 520.18

 C) 620.18 D) 791.34

1. A = 25.36 and B = 32.31. Find the value of 2A + B.
2. 83.03 B) 28.31

 C) 81.03 D) 30.38

1. Sam distributes 236 kg of corn into 16 people equally, find the amount each person will get
2. 25.63 kg B) 16.75 kg

 C) 17.85 kg D) 14.75 kg

1. Jack selected two decimals 35.41 and 4.5 and multiplied them. The product is 8.1443. After a

While he realized he mistakenly multiplied 35.41 by other decimal instead of 4.5. Find the other decimal.

1. 2.3 B) 0.23

 C) 0.023 D) 0.0023

1. (0.005 + 0.1256) is divided by 100000. Find the quotient?
2. 0.1261 B) 0.0001211

 C) 0.000001306 D) 130.6

1. John has 45623.12 L of milk. He sold 5643.2 L and used 2563.5 L of milk for making sweets. Find

the remaining amount of milk John has.

1. 37410.42 L B) 37416.04 L

 C) 3741.642 L D) 37416.42 L

1. A = 25210.35, B = 275.3 and C = 45. When A is divided by C and the quotient is added by B, we

get \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 835.33 C) 835.53
2. 825.53 D) 833.53