Number System-02- Divisibility Rules

Q1) The number 94220p31q is divisible by 88. What is the value of p + q?

1. 7 2. 9 3. 11 4. 13 5. 15

Q2) Find the value of x if the number 58215x237 is divisible by 11?

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

Q3) How many different values can x take if the number 2506x8 is divisible by 8?

1. 0 2. 1 3. 2 4. 3 5. 4

Q4) If the number 425x36 is divisible by 72, find the value that x can assume.

1. 1 2. 3 3. 5 4. 7 5. 9

Q5) If 8537x54 is divisible by 3, how many values can x take?

1. 0 2. 1 3. 2 4. 3 5. 4

Q6) If 51062x4 is divisible by 12, how many values can x take?

1. 0 2. 1 3. 2 4. 3 5. 4

Q7) When 1000 is added to 459x251 and the resulting number is divided by 11, the remainder is 8. Find x.

1. 3 2. 5 3. 7 4. 8 5. 9

Q8) How many possible pairs of values of (x, y) exist such that the number 42xy60 is divisible by 72?

1. 2 2. 3 3. 4 4. 5 5. 6

Q9) What is the remainder when the number 5821x59x243 is divided by 11, where x is any single digit whole number?

1. 3 2. 5 3. 8 4. 10 5. No unique remainder.

Q10) If the number 3422213xy is divisible by 99, find the values of x + y.

1. 8 2. 9 3. 10 4. 11 5. 12