

## CHAPTER-3 | Number Play

### QUIZ PART-05

1. How many 1-digit numbers are there?

- A. 8  
B. 9  
C. 10  
D. 11 (B)

*Explanation:* The 1-digit numbers are from 1 to 9, so there are 9 numbers.

2. Which is the smallest 2-digit number?

- A. 1  
B. 9  
C. 10  
D. 11 (C)

*Explanation:* Two-digit numbers start from 10.

3. How many 2-digit numbers are there?

- A. 90  
B. 89  
C. 99  
D. 100 (A)

*Explanation:* The 2-digit numbers are from 10 to 99, so total =  $99 - 10 + 1 = 90$ .

4. How many 3-digit numbers are there?

- A. 99  
B. 900  
C. 999  
D. 1000 (B)

*Explanation:* The 3-digit numbers are from 100 to 999, so total = 900.

5. How many 4-digit numbers are there?

- A. 900  
B. 9999  
C. 9000  
D. 10000 (C)

*Explanation:* The 4-digit numbers are from 1000 to 9999, so total = 9000.

6. What is the digit sum of 68?

- A. 12  
B. 13  
C. 14  
D. 15 (C)

*Explanation:*  $6 + 8 = 14$ .

7. What is the digit sum of 176?

- A. 12  
B. 13  
C. 14  
D. 15 (C)

*Explanation:*  $1 + 7 + 6 = 14$ .

8. What is the smallest number whose digit sum is 14?

- A. 59  
B. 68  
C. 77  
D. 149 (A)

*Explanation:* To make the smallest number, we use the fewest digits and smallest possible tens digit:  $5 + 9 = 14$ , so 59 is the smallest.

9. What is the largest 5-digit number whose digit sum is 14?

- A. 95000  
B. 94100  
C. 93200  
D. 99950 (A)

*Explanation:* To make the largest 5-digit number, place the biggest possible digit at the left.  $9 + 5 + 0 + 0 + 0 = 14$ , so 95000 is the largest.

10. What is the digit sum of 345?

- A. 10  
B. 11  
C. 12  
D. 13 (C)

*Explanation:*  $3 + 4 + 5 = 12$ . These are consecutive digits.