CHAPTER 3: ONES AND TENS

ONES AND TENS

➢ INTRODUCTION ONES, TENS AND HUNDREDS

Refer to the places and positions of digits in a number. If we have a number **[123]**, then to determine the places of the number **[3], [2]** and **[1]** is called determining ones tens and hundreds.

Ones, Tens, Hundreds and Thousands

Identifying Ones and Tens

In any number, first number from the right is called ones and second number from the right is called tens. The place value of digit at tens is obtained by multiplying the number by 10.

Example:

What is the place value of 6 in the number 67?

(a) 60

(b) 10

(c) 70

(d) All the above

(e) None of these

Answer- (a) **Explanation:** 67 = 6 tens + 7 ones. Therefore place value of 6 is 60.

Question:

1. A four digit number is 23 less than the four digit greatest number. What will be the digit at tens place?

   (a) 6

(b) 7

(c) 5

(d) All the above

(e) None of these

Answer- (b) **Explanation:** Four digit greatest number is 9999. Required number is 9999 - 23 = 9976. Digit at second place from right is 7. Therefore, option (b) is correct.

2. What is the place value of 8 in the number 87?

(a) 80

(b) 10

(c) 60

(d) All the above

(e) None of these

Answer- (a) **Explanation:** 87 = 8 tens + 7 ones. Therefore place value of 8 is 80.

Identifying Hundreds in a Number

For the identification of hundreds in a number, the number should be of three or more digits. To obtain the place value of digit at hundreds place, the digit is multiplied by 100.

Example:

Find the place value of digit 5 in 4567.

(a) 400

(b) 500

(c) 5

(d) All the above

(e) None of these

Answer- (b) **Explanation:** 4567 = 4000 + 500 + 60 + 7. Therefore, option (b) is correct.

Question:

1. Find the digit which is at hundreds place of three digit smallest number.

   (a) 0

   (b) 00

   (c) 1

   (d) All the above

   (e) None of these

   Answer- (c) **Explanation:** 3-digit smallest number is 100. Therefore, option (c) is correct.

Identifying Thousands in a Number

For the identification of thousands in a number, the number should be of four or, more digits. To obtain the place value of digit at thousands, the digit is multiplied by 1000.

Example:

What is the place value of digit 9 in 569873?

(a) 9873

(b) 900

(c) 9000

(d) All the above

(e) None of these

Answer- (c) **Explanation:** Digit 9 is at thousands place. Therefore, option (c) is correct.

Question:

1. If digit at thousands place of a number is one less than the digit at hundreds place, and digit at hundreds place is one less than the digit at tens place, find the number, if digit at tens place is 1 less than the digit at unit place and digit at unit place is 8.

(a) 5678

(b) 4568

(c) 7658

(d) All the above

(e) None of these

Answer- (a) **Explanation:** Digit at tens is 7, 6 is at hundreds place and 5 is at the thousands place. Therefore, option (a) is correct.

➢ PLACE VALUE CHART

Following are the place value of digits of 4276:

Thousands	Hundreds	Tens	Ones
4	2	7	6

Example:

Identify the place of digit 3 in 5632.

(a) Units

(b) Tens

(c) Hundreds

(d) All the above

(e) None of these

Answer- (b) **Explanation:** Digit 3 is second from right. Therefore, option (b) is correct.

Questions:

1. What is the place value of 1 in 4561823?

(a) 1000

(b) 10000

(c) 100

(d) All the above

(e) None of these

Answer- (a) **Explanation:** 1 is at the thousands place. Therefore, option (a) is correct,

2. What is the place value of 2 in 3172853?

(a) 100

(b) 10000

(c) 1000

(d) All the above

(e) None of these

Answer- (c) **Explanation:** 2 is at the thousands place. Therefore, option (c) is correct,

Identifying Ones and Tens

In any number, first number from the right is called ones and second number from the right is called tens. The place value of digit at tens is obtained by multiplying the number by 10.

Example:

What is the place value of 6 in the number 69?

(a) 60

(b) 10

(c) 70

(d) All the above

(e) None of these

Answer- (a) **Explanation:** 69 = 6 × 10. Therefore, place value of 6 is 60.

Questions:

1. What is the place value of 7 in the number 78?

(a) 10

(b) 70

(c) 80

(d) All the above

(e) None of these

2. What is the place value of 5 in the number 56?

(a) 70

(b) 80

(c) 50

(d) All the above

(e) None of these