

M301a

reads and writes numbers up to 999 using place value

LEVEL-1

Test item 1: Look at the number given below.

738

Fill in the blanks mentioning the place (one's /ten's /hundred's) of each digit in the number.

- (a) 7 is at _____ place.
- (b) 3 is at _____ place.
- (c) 8 is at _____ place.

Hints/ Solution :

- (a) 7 is at **hundred's** place.
- (b) 3 is at **ten's** place.
- (c) 8 is at **one's** place.

Test item-2: Write the number on the basis of given hints.

- It's a 3-digit number.
- Largest digit is at ones place.
- 5 is at tens place
- 1 is at hundred's place.

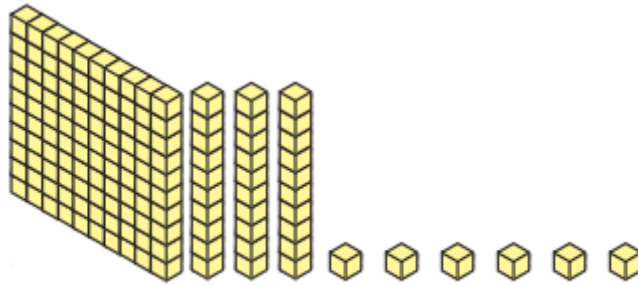
Hints/ Solution :

From first point of the hint it is clear that it's a 3-digit number.

Largest digit is 9

1	5	9
Hundreds	Tens	Ones

Test item-3: How many are these?



Option A: 135

Option B: One hundred twenty six

Option C: $100 + 30$

Option D: One hundreds + 3 tens + 6 ones

Correct option: D

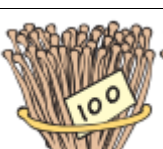
Hints/ Solution

Figure is showing

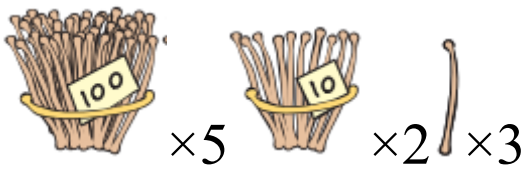
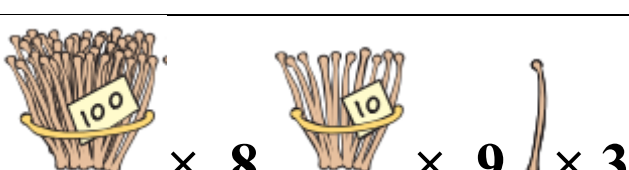
1 times 100, 3 times tens, 6 ones

hundreds + 3 tens + 6 ones

Test item-4: Fill in the blanks to form the numbers. One has been done for you.

523	 × <u>5</u>  × <u>2</u>  × <u>3</u>
739	 × _____  × _____  × _____
615	 × _____  × _____  × _____
893	 × _____  × _____  × _____

Hints/solutions:

523	 $\times \underline{5} \quad \times \underline{2} \quad \times \underline{3}$
739	 $\times 7 \quad \times 3 \quad \times 9$
615	 $\times 6 \quad \times 1 \quad \times 5$
893	 $\times 8 \quad \times 9 \quad \times 3$

Test item-5: fill in the blanks.

(a) $100 = \underline{\hspace{1cm}}$ tens

(b) $100 = \underline{\hspace{1cm}}$ ones

(c) $300 = \underline{\hspace{1cm}}$ tens

(d) $40 = \underline{\hspace{1cm}}$ tens

(e) $22 = \underline{\hspace{1cm}}$ ones

Hints/ Solution :

(a) $100 = 10$ tens

(b) $100 = 100$ ones

(c) $300 = 30$ tens

(d) $40 = 4$ tens

(e) $22 = 22$ ones

Test item-6: 700+6 is equal to _____

Option A: 7006

Option B: 670

Option C:706

Option D: 76

Correct Option: C

Hints/ Solution :

Write 7 at hundreds place, 6 at ones place and 0 at tens place.

There are seven groups of hundreds and 6 units

Test item-7: Which of the following is not equal to 976?

Option A: $6 + 900 + 70$

Option B: $900 + 70 + 6$

Option C: $6 + 70 + 900$

Option D: $70 + 900 + 0$

Correct Option: D

Hints/ Solution :

$70 + 900 + 0$ – This expanded form gives us 970 which is not the number being asked.

Option A, B and C shows the expanded form of 976.

Test item-8: Write largest 3-digit number from the digits given below.

7

4

5

9

Hints/ Solution :

At first select three digits out of given four digits and skip the smallest digit i.e., 4

Now , arrange the selected digits in descending order like

$9 \times 100 + 7 \times 10 + 5 \times 1$ to have the required number i.e., 975

Test item-9: Match the following column

(a) 335	(i) Five hundred sixty six
(b) 343	(ii) Five hundred ninty six
(c) 567	(iii) Three hundred thirty five
(d) 596	(iv) Three hundred forty three
	(v) Three hundred forty five
	(vi) five hundred sixty seven

Option A: a (iii) b (iv) c (i) d (ii)

Option B: a (iii) b (iv) c (vi) d (ii)

Option C: a (iv) b (iii) c (i) d (vi)

Option D: a (v) b (iv) c (vi) d (ii)

Correct option: B

Hints/ Solution

- (a) 335 – (iii) Three hundred thirty five
(b) 343 – (iv) Three hundred forty three
(c) 567 – (vi) Five hundred sixty seven
(d) 596 – (ii) Five hundred ninty six

(B) a (iii) b (iv) c (vi) d (ii)

Test item-10: Fill in the blanks.

- (a) $4 \times 100 + 3 \times 10 + 2 \times 1 = \underline{\hspace{2cm}}$
- (b) $6 \times 100 + \underline{\hspace{2cm}} + 8 \times 1 = 698$
- (c) $5 \times 100 + 6 \times 10 + \underline{\hspace{2cm}} = 560$
- (d) $\underline{\hspace{2cm}} + 5 \times 10 + 4 \times 1 = 754$
- (e) $4 \times 100 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 444$

Hints/ Solution

- (a) $4 \times 100 + 3 \times 10 + 2 \times 1 = \mathbf{432}$
- (b) $6 \times 100 + \mathbf{9 \times 10} + 8 \times 1 = 698$
- (c) $5 \times 100 + 6 \times 10 + \mathbf{0 \times 1} = 560$
- (d) $\mathbf{7 \times 100} + 5 \times 10 + 4 \times 1 = 754$
- (e) $4 \times 100 + \mathbf{4 \times 10} + 4 \times 1 = 444$

LEVEL-2

Test item-1: How many of the following numbers have 2 at tens place?

232

923

322

662

229

424

823

432

Hints/ Solution :

Five numbers have 2 at tens's place.

923, 322, 229, 424 and 823.

Test item-2: consider the digits given below:



Write 3-digit number as per the instruction:

- (a) Number with 0 at ten's place.
- (b) Number with 6 at ones place and 9 at hundred's place.
- (c) Number with the smallest digit at ones place.

Hints/ Solution

In this question there is no specific answer of a question. Different correct answers will be there.

Test item-3: Consider some ways in which 909 has been written:

- (i) Nine zero nine
- (ii) Nine hundred nine
- (iii) $900 + 9$
- (iv) $90 + 900$

Which of the above is correct? Select the correct option.

Option A: Only (ii)

Option B: Only (iii)

Option C: Both (ii) and (iii)

Option D: Only (i)

Correct option: C

Hints/ Solution

909 can be written as –: $900 + 9$ and Nine hundred nine

Test item-4: Look at the number given.



Seema says “there are equal number of groups of hundreds, tens and ones.”

Do you agree with her? (yes/no) _____

Why?

Hints/ Solution

Yes, Seema is correct.

Expanded form of 777 is $7 \times 100 + 7 \times 10 + 7 \times 1$

Where 7×100 means 700 or seven groups of 100. Similarly, it is true for 7×10 and 7×1

Test item-5: How many tens are therein 120 in total?

Option A: 12

Option B: 2

Option C: 1

Option D: 3

Correct Option: A

Hints/ Solution :

$$120 = 100 + 20 + 0$$

100 is equal to 10 tens

20 is equal to 2 tens

So, total tens in 120 are $10 + 2 = 12$

Test item-6: write the numbers.

(a) 3 hundreds + 5 ones = _____

(b) 11 tens + 9 ones = _____

(c) 1 hundreds + 11 tens = _____

Hints/ Solution :

(d) 3 hundreds + 5 ones = **305**

(e) 11 tens + 9 ones = **119**

(f) 1 hundreds + 11 tens = **210**

Test item-7: Consider the number given below.

534

Read the given sentences and write true/false.

- (a) It is equal to 5 hundreds + 3 tens + 4 ones
- (b) It is equal to 53 tens + 4 ones
- (c) It is read as four hundred thirty five

Hints/ Solution :

- (a) It is equal to 5 hundreds + 3 tens + 4 ones(**True**)
- (b) It is equal to 53 tens + 4 ones(**True**)
- (c) It is read as four hundred thirty five(**False**)

Test item-8: Read the numbers given below.



What numbers should come in place of P and Q.

P

Q

Option A: 4 hundreds + 6 tens + 8 ones, 4 hundreds + 7 tens + 10 ones

Option B: 4 hundreds + 7 tens + 8 ones, 4 hundreds + 7 tens + 10 ones

Option C: 4 hundreds + 6 tens + 8 ones, 4 hundreds + 7 tens

Option D: 4 hundreds + 7 tens + 8 ones, 4 hundreds + 7 tens + 2 ones

Correct option: C

Hints/ Solution

After 4 hundreds + 6 tens + 6 ones,

4 hundreds + 6 tens + 7 ones,

4 hundreds + 6 tens + 8 ones,

4 hundreds + 6 tens + 9 ones,

4 hundreds + 7 tens

Test item-9: Which of the following is correct to measure 115 kg?

Option A: $5 \times 100 \text{ Kg} + 1 \times 10 \text{ Kg} + 1 \times 1 \text{ Kg}$

Option B: $1 \times 100 \text{ Kg} + 1 \times 10 \text{ Kg} + 1 \times 1 \text{ Kg}$

Option C: $1 \times 100 \text{ Kg} + 1 \times 5 \text{ Kg}$

Option D: $1 \times 100 \text{ Kg} + 1 \times 10 \text{ Kg} + 1 \times 5 \text{ Kg}$

Correct Option : D

Test item-10: Aditi has few 100 rupees notes, few 10 rupees notes and few one rupee coins. She bought a shirt of Rs. 478. Which of the following is correct combination of notes and coins to pay the shopkeeper?

Option A: 4 notes of 100 rupees, 7 notes of 10 rupees, 8 coins of 1 rupee

Option B: 4 notes of 100 rupees, 4 notes of 10 rupees, 4 coins of 1 rupee

Option C: 4 notes of 100 rupees, 4 notes of 10 rupees, 8 coins of 1 rupee

Option D: 4 notes of 100 rupees, 7 notes of 10 rupees, 7 coins of 1 rupee

Correct Option:A

Hints/ Solution :

4 notes of 100 rupees is equal to Rs.400
7 notes of 10 rupees is equal to Rs.70
8 coins of 1 rupee is equal to Rs.8
Total amount is equal to Rs.478