

## NUMBER/SYMBOL CODING

### Letter to Number Coding Decoding Reasoning

#### 2.1 Addition of Letters Position

In a certain language “D”=4, “COVER” = 63. What will be the code of “BASIS”.

#### Solution

$$D = 4$$

$$\text{COVER} \rightarrow 3+15+22+5+18 = 63$$

Same Way

$$\text{BASIS} \rightarrow 2+1+19+9+19 = 50$$

#### 2.2 Multiply the alphabet Position Number

In a certain language “AT”=20, “BAT” = 40. What will be the code of “CAT”.

#### Solution :

$$AT = 1 \times 20 = 20$$

$$BAT = 2 \times 1 \times 20 = 40$$

Similar manner code of

$$CAT = 3 \times 1 \times 20 = 60$$

#### 2.3 Add or Subtract Some Number in letter order Number

In a certain language MACHINE = 19-7-9-14-15-20-11. What will be the code of “DANGER “.

#### Solution

Word	M	A	C	H	I	N	E
	13+6	1+6	3+6	8+6	9+6	14+6	5+6
Code	19	7	9	14	15	20	11

Similar Manner

Word	D	A	N	G	E	R
	4+6	1+6	14+6	7+6	5+6	18+6
Code	10	7	20	13	11	24

Code is 10-7-20-13-11-24

#### **2.4 Add the Letter Position Number Digits**

In a certain language MOBILITY = 46293927. What will be the code of “EXAMINATION”.

**Solution**

Word	M	O	B	I	L	I	T	Y
	13=1+3	15=1+5	2	9	12=1+2	9	20=2+0	25=2+5

Code	4	6	2	9	3	9	2	7
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Same Manner

Word	E	X	A	M	I	N	A	T	I	O	N
	5	24	1	13	9	14	1	20	9	15	14
Code	5	6	1	4	9	5	1	2	9	6	5

### 2.5 Number assigned to Individual letter

In such situation, code of all the letters to be find from the given words.

In a certain language PAINT = 53421 and EXCEL = 78679. What will be the code of “ACCEPT “.

**Solution :**

Look at ACCEPT letters and you will notice all the letters have been used in PAINT and EXCEL.

Pick up Number Code directly from the given word.

A -> 3, C-> 6, E->7, P->5 and T->1

Code of ACCEPT is 366751

### Symbol Coding

In the symbol coding, symbols like “#!?!@\$%^&\*()\_”, to represent words or letters. These codes are then used to determine a code for the given word.

**Example:** In a certain code, MEAN is written as #57\* and DOME is written as 93#5.  
**How is MOAN written in that code?**

- (a) \$ \* 37
- (b) 3\$7\*
- (c) #73 \*
- (d) #37\*

Letters	M E A N D O M E
Symbol code	# 5 7 * 9 3 # 5

Hence MOAN Code is #37\* (d)

