**1.If DOOR = 25, LOWER=37, TOWER=18, then OVER = ?**

**Ans:-**

**Alphabets and their positions**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |

Rule=add positions of alphabets and then reverse the result  
DOOR = 4+15+15+18 = 52 = reverse 52 to give 25

2. **In a code language, BROKE is written as DOSFK, START is written as UQEMZ, then INDIA is written as**  
  
a. KHDKG  
b. KKHDG  
c. DHGKK  
d. KHGKD

**Answer:** b. KKHDG  
  
**Explanation:**   
  
Alphabet Series - A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
The coding follows the rule +2, -3, +4, -5, +6, etc.  
That means B+2=D  
R-3=O  
O+4=S, etc.

3. **If 7 x 5 = VIII ; 5 x 6 = III ; 5 x 3 = VI , then 9 x 4 = ?**  
a. IX  
b. II  
c. VIII  
d. XXII

Ans:-

7 x 5 = 35 ; 3+5 = 8 = VIII in roman numeral format  
5 x 6 = 30 ; 3+0 = 3 = III in roman numerals.  
9 x 4 = 36 = 3+6 = 9 = IX in roman numerals