

CGL Mains 2025

Reasoning



Reasoning

1. Letter Based Reasoning
2. Number Based Reasoning
3. Alphanumeric Reasoning
4. Social Intelligence
5. Problem solving
6. Logical & Analytical reasoning
7. Sitting Arrangement & Puzzle
8. Non Verbal Reasoning



Letter Basics



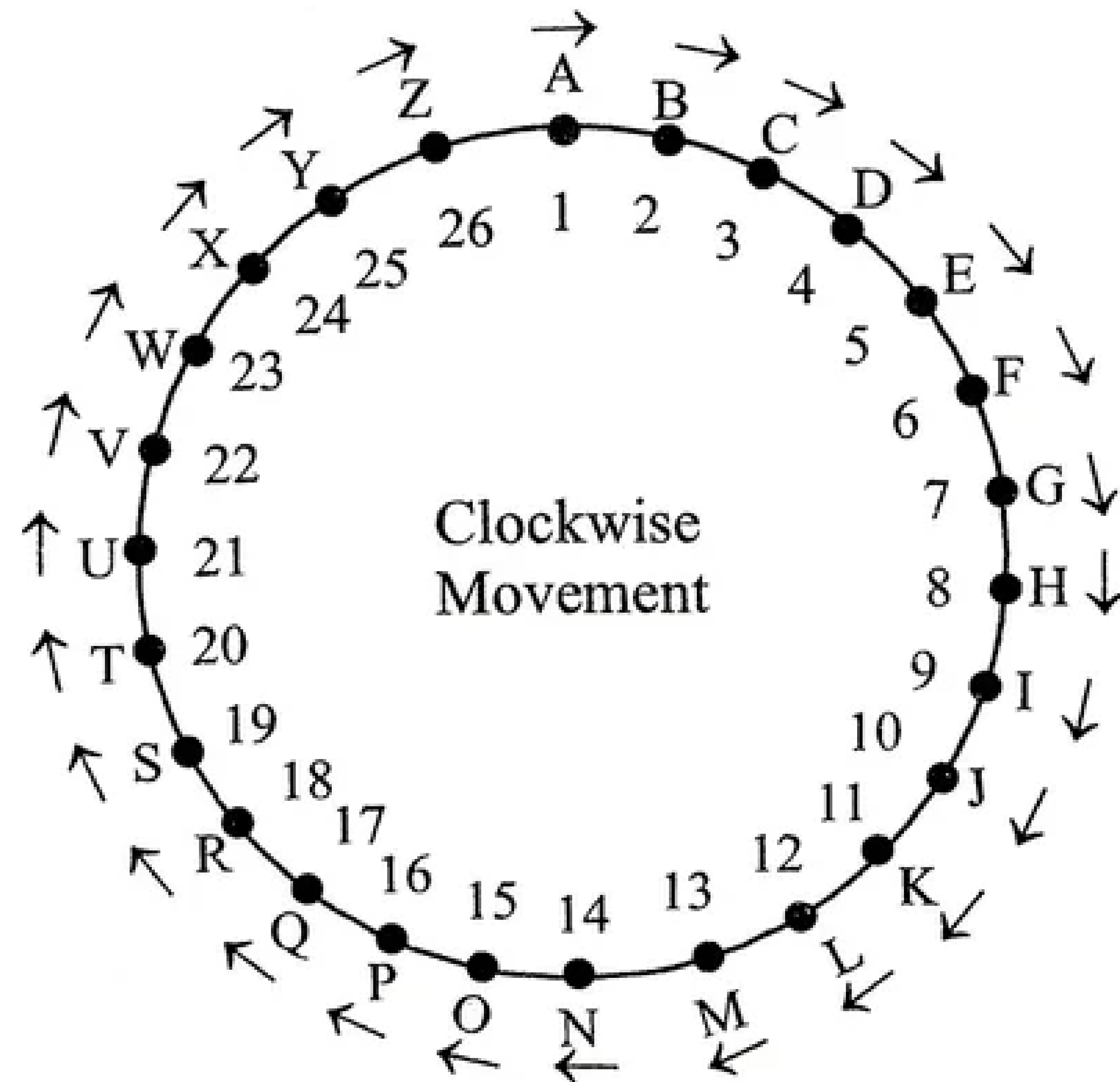
Order Of The English Alphabet

Forward order position	Letters	Backward order position
1	A	26
2	B	25
3	C	24
4	D	23
5	E	22
6	F	21
7	G	20
8	H	19
9	I	18
10	J	17
11	K	16
12	L	15
13	M	14

Forward order position	Letters	Backward order position
14	N	13
15	O	12
16	P	11
17	Q	10
18	R	9
19	S	8
20	T	7
21	U	6
22	V	5
23	W	4
24	X	3
25	Y	2
26	Z	1



Clockwise Movement



X → **B**
24 2

S → **Y**
19 25

F → **S**
6 19

B → **F**
2 6



Concept

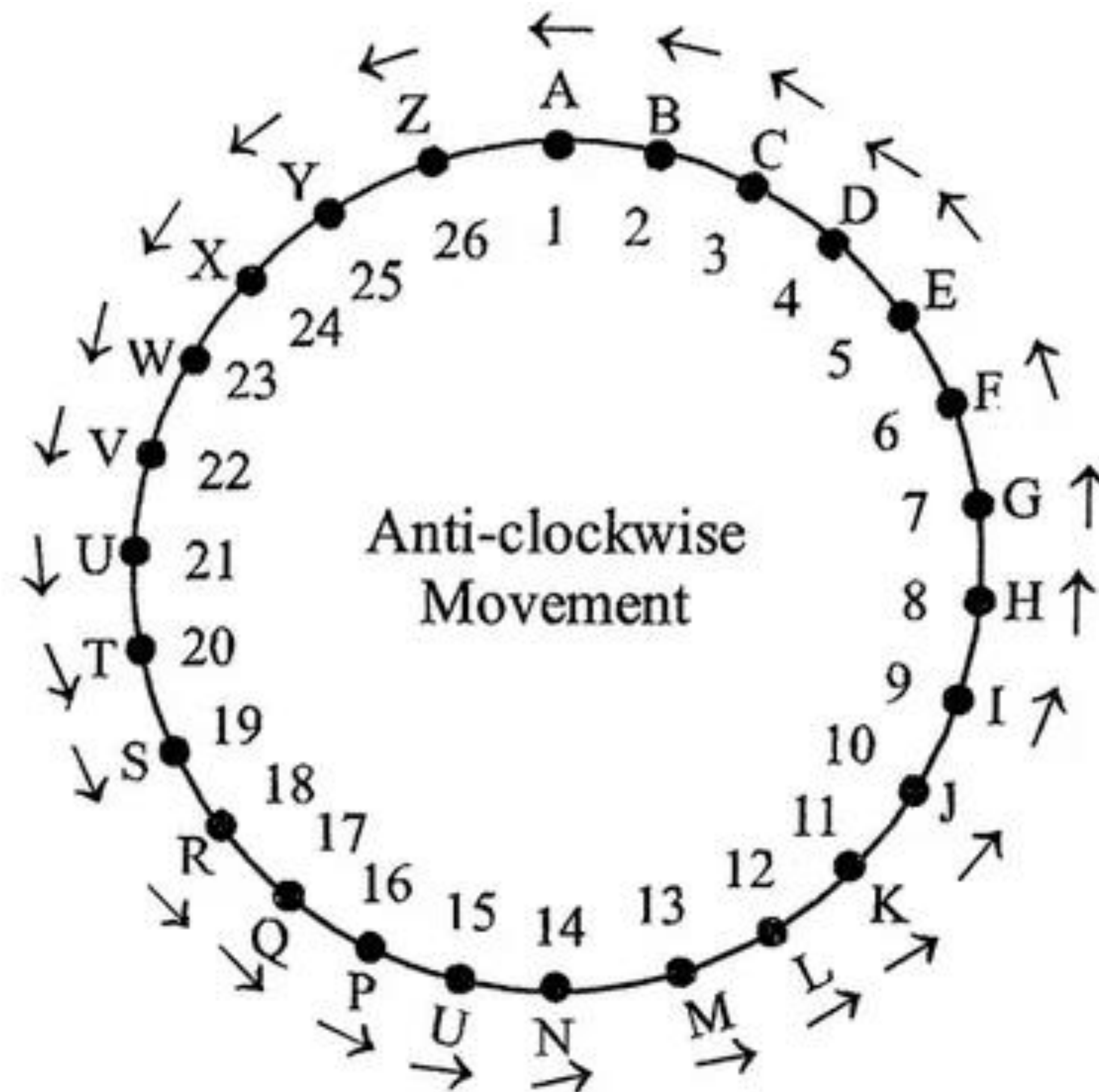
दो अक्षरों के बीच अंतर

Forward Diff. + Backward Diff.

= 26



Anti-Clockwise Movement



Opposite Letter



(i) A Z (Aaza) ↓ ↓ 1 + 26 = 27	(ii) B Y (By) ↓ ↓ 2 + 25 = 27	(ii) C X (Six) ↓ ↓ 3 + 24 = 27
(iv) D W (Dew) ↓ ↓ 4 + 23 = 27	(v) E V (Evening) ↓ ↓ 5 + 22 = 27	(vi) F U (Uff) ↓ ↓ 6 + 21 = 27
(vii) G T (GT Road) ↓ ↓ 7 + 20 = 27	(viii) H S (High School) ↓ ↓ 8 + 19 = 27	(ix) I R (Indian Railways) ↓ ↓ 9 + 18 = 27
(x) J Q (Jack Queen) ↓ ↓ 10 + 17 = 27	(xi) K P (Kevin Peterson) ↓ ↓ 11 + 16 = 27	(xii) L O (Love) ↓ ↓ 12 + 15 = 27
(xiii) M N (Man) ↓ ↓ 13 + 14 = 27		



NOTE

Backward order position of a letter

= 27 - Forward order position of letter

e.g. Backward order position of B

= 27 - Forward order position of B

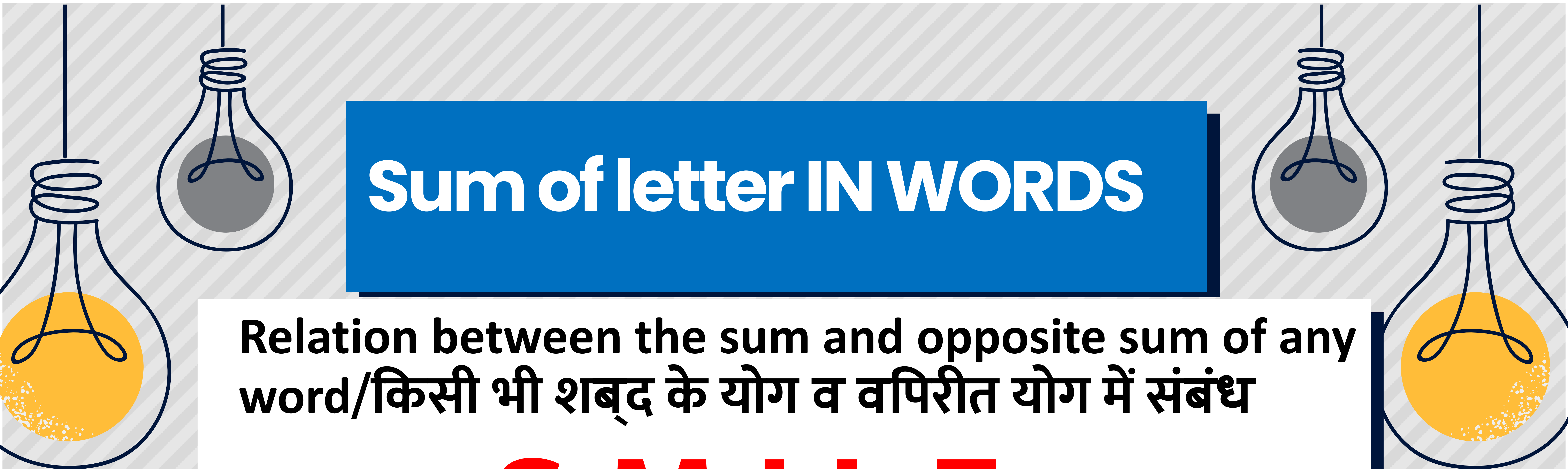
= 27 - 2 = 25

By Using V O L G B and X U R O L I F C

can easily remember the position of letters of

English alphabet is reverse order./ अंग्रेजी वर्णमाला के अक्षरों की स्थिति को उल्टे क्रम में आसानी से याद रख सकते हैं।

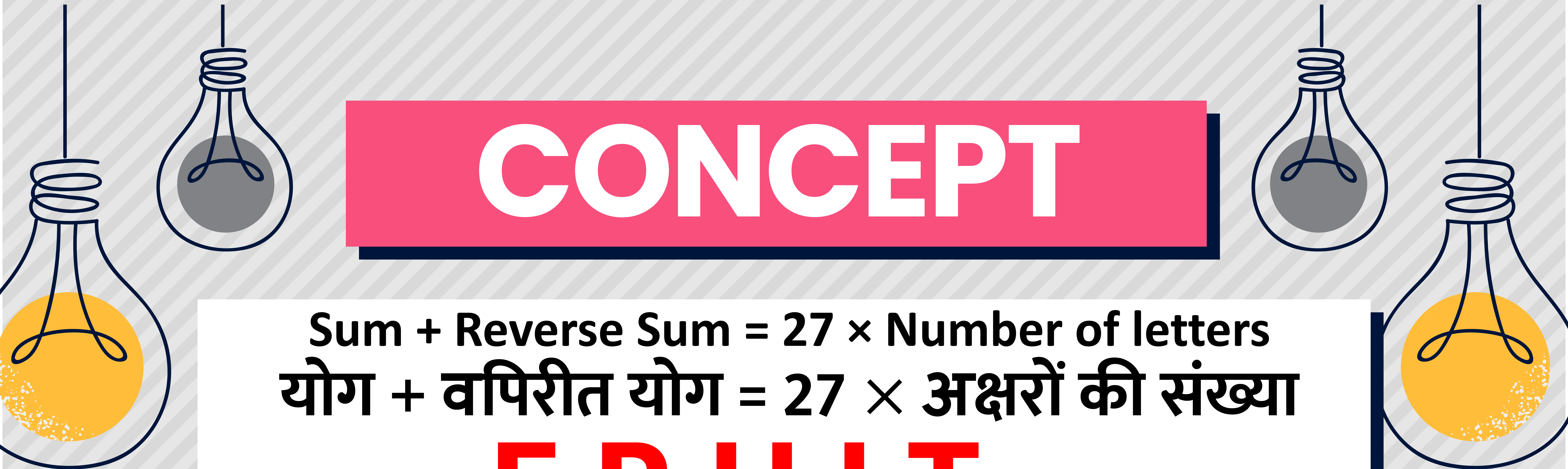




Sum of letter IN WORDS

Relation between the sum and opposite sum of any word/किसी भी शब्द के योग व वपिरीत योग में संबंध

S M I L E



CONCEPT

Sum + Reverse Sum = $27 \times$ Number of letters
योग + वपिरीत योग = $27 \times$ अक्षरों की संख्या

F R U I T

6 18 21 9 20



LETTER CLASSIFICATION



26 अक्षर

21 व्यंजन
(Consonant)

M R X Y Z

05 स्वर
(Vowels)

A E I O U



LETTER CLASSIFICATION



26 અક્ષર

13 EVEN

B D F H J..

13 ODD

A C E G I...



LETTER CLASSIFICATION



26 અક્ષર

8 PRIME

(POSITIONS)

B C E G K

M Q S W

18 NON PRIMES

A D F H I J L N O

P R T U V X Y Z



LETTER CLASSIFICATION



26 અક્ષર

Perfect
Square

A D I P Y

Perfect
Cubes

A H



LETTER CLASSIFICATION



26 અક્ષર

SINGLE

DIGIT

A B C D E F

G H I

DOUBLE

DIGIT

J K L M N O P Q R S

T U V W X Y Z

Letter Based Reasoning

Letter Basics

1. Coding decoding
2. Alphabet Test
3. Letter Analogy
4. Letter Classification
5. Missing Letters
6. Letter series & Sequence



Coding Decoding

1. Letter to Letter
2. Letter to Number
3. Chinese coding
4. Substitutional coding
5. Letter to LSN/Fixed coding





Thank You