

MISSION SSC 2027

SELECTION BATCH

REASONING

LETTER SYSTEM

अक्षर व्यवस्था

CLASS - 1

DEMO

SSC → 20-35%
Railway → 25-40%

BALRAM SIR

Letter ✓ SYSTEM



Reasoning



Reasoning – 8 sections

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



Letter Based Reasoning

Letter Basics

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





Topics based on letter system



- **Coding decoding**
- **Alphabet Test**
- **Letter analogy**
- **Letter classification**
- **Missing Letter**
- **Letter series**
- **Letter sequencer**
- **Alphanumeric Letter Reasoning**



✓ Basic Letter knowledge

Required for the above
topics

**USEFUL LEARNINGS ABOUT
LETTERS**

उपयोगी जानकारी



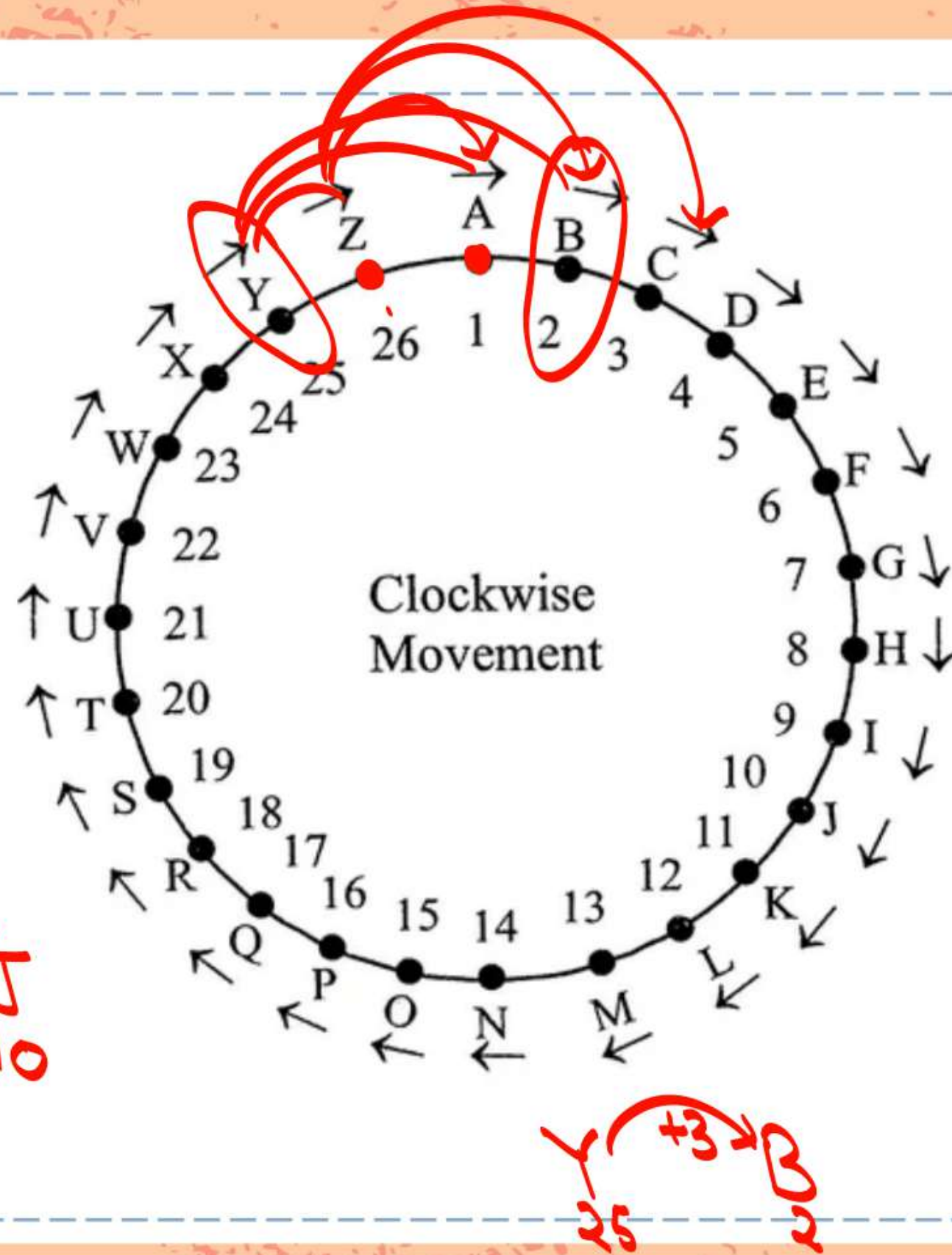
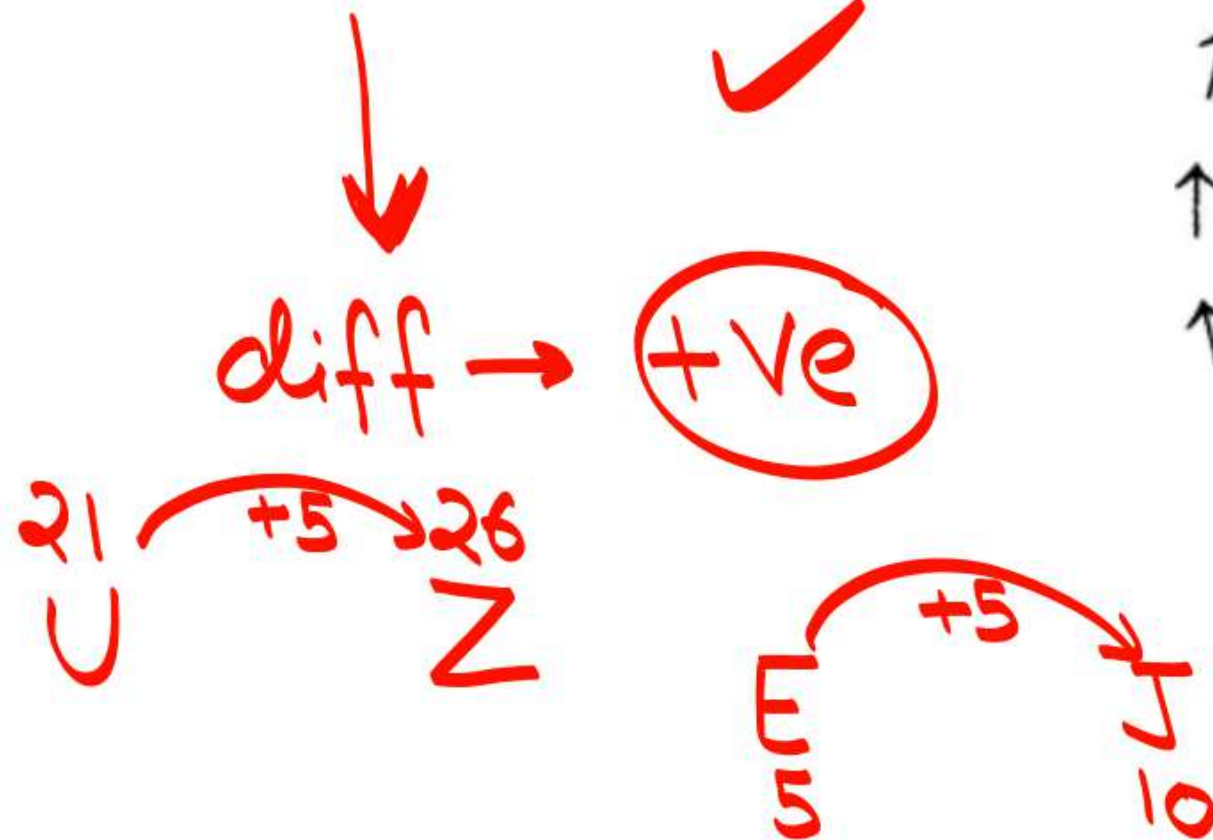
Order Of The English Alphabet

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 $\xrightarrow{+4}$ **B**
24 2

(Handwritten red arc above the arrow with letters X, Y, Z, A)

S $\xrightarrow{+6}$ **Y**
19 25

F $\xrightarrow{+13}$ **S**
6 19

(Handwritten red arc above the arrow)

B $\xrightarrow{+4}$ **F**
2 6

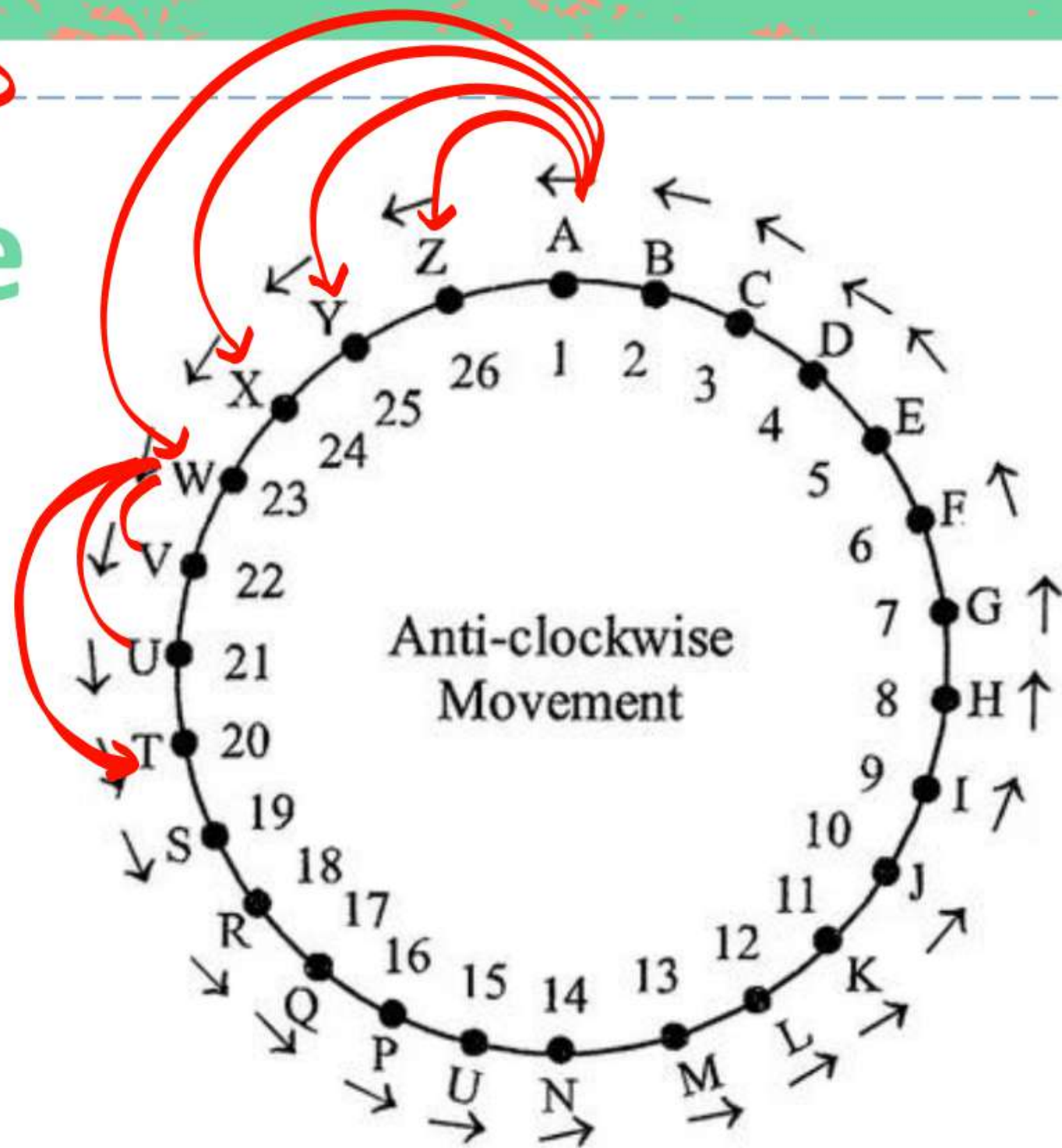


Anti-Clockwise Movement

BACKWARD

✓ -ve

W₂₃ $\xrightarrow{-3}$ T₂₀



Concept

दो अक्षरों के बीच अंतर

Forward Diff. + Backward Diff.

= 26



①

$$\begin{array}{ccc} \text{Y} & \xrightarrow{\begin{array}{c} +11 \\ -15 \end{array}} & \text{J} \\ 25 & & 10 \end{array}$$

②

$$\begin{array}{ccc} \text{M} & \xrightarrow{\begin{array}{c} +9 \\ -17 \end{array}} & \text{V} \\ 13 & & 22 \end{array}$$

③

$$\begin{array}{ccc} \text{Q} & \xrightarrow{\begin{array}{c} +8 \\ -18 \end{array}} & \text{Y} \\ 17 & & 25 \end{array}$$

④

$$\begin{array}{ccc} \text{N} & \xrightarrow{\begin{array}{c} +2 \\ -24 \end{array}} & \text{P} \\ 14 & & 16 \end{array}$$

⑤

$$\begin{array}{ccc} \text{K} & \xrightarrow{\begin{array}{c} +6 \\ -20 \end{array}} & \text{Q} \\ 11 & & 17 \end{array}$$

$$\begin{array}{ccc} \text{Q} & \xrightarrow{\begin{array}{c} +2 \\ -24 \end{array}} & \text{S} \\ 17 & & 19 \end{array}$$

$$\begin{array}{ccc} \text{Q} & \xrightarrow{\begin{array}{c} +10 \\ -16 \end{array}} & \text{A} \\ 17 & & 1 \end{array}$$

$$\begin{array}{ccc} \text{T} & \xrightarrow{\begin{array}{c} +12 \\ -14 \end{array}} & \text{F} \\ 20 & & 6 \end{array}$$

$$\begin{array}{ccc} \text{M} & \xrightarrow{+8} & \text{U} \\ 13 & & 21 \end{array}$$

$$\begin{array}{ccc} \text{S} & \xrightarrow{\begin{array}{c} +11 \\ -15 \end{array}} & \text{D} \\ 19 & & 4 \end{array}$$

$$\begin{array}{ccc} \text{R} & \xrightarrow{\begin{array}{c} +9 \\ -17 \end{array}} & \text{A} \\ 18 & & 1 \end{array}$$

$$\begin{array}{ccc} \text{Y} & \xrightarrow{\begin{array}{c} +24 \\ -2 \end{array}} & \text{W} \\ 25 & & 23 \end{array}$$

$$\begin{array}{ccc} \text{A} & \xrightarrow{\begin{array}{c} +19 \\ -7 \end{array}} & \text{T} \\ 1 & & 20 \end{array}$$

$$\begin{array}{ccc} \text{W} & \xrightarrow{\begin{array}{c} +5 \\ -21 \end{array}} & \text{B} \\ 23 & & 2 \end{array}$$

$$\begin{array}{ccc} \text{X} & \xrightarrow{\begin{array}{c} +3 \\ -23 \end{array}} & \text{A} \\ 24 & & 1 \end{array}$$

Positional Difference

Forward ✓

आगे से क्रम

✓ **Backward**

पीछे से क्रम

✓ **Clockwise**

दक्षिणावर्त

✓ **Anti-Clockwise**

वामावर्त

योगफल = २६



दो अक्षरों के बीच के अक्षर ज्ञात करना

Finding letters between two given letters

👉 A और T के बीच कितने अक्षर हैं?

$$\begin{array}{ccc} A & & T \\ 1 & \xrightarrow{+19} & 20 \\ & -7 & \end{array}$$

बीच $\rightarrow$ $A^x T^x$
 $19 - 1 = 18$

B C D E F G H I J K
L M N O P Q R S

Concept - 2

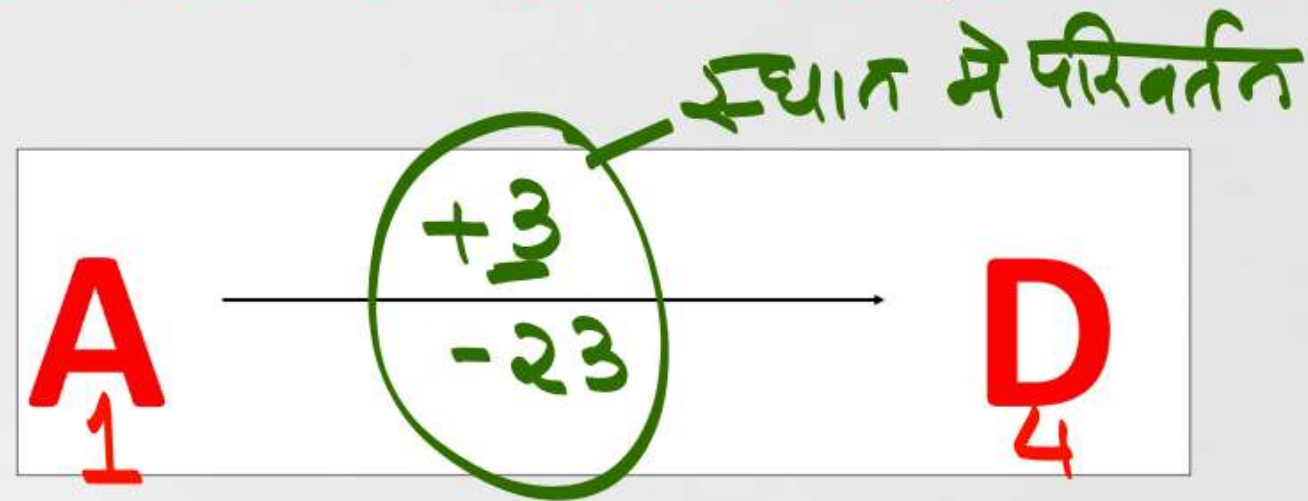
Positional change - 1
= Letters between

स्थान परिवर्तन - 1

= बीच के अक्षरों की संख्या



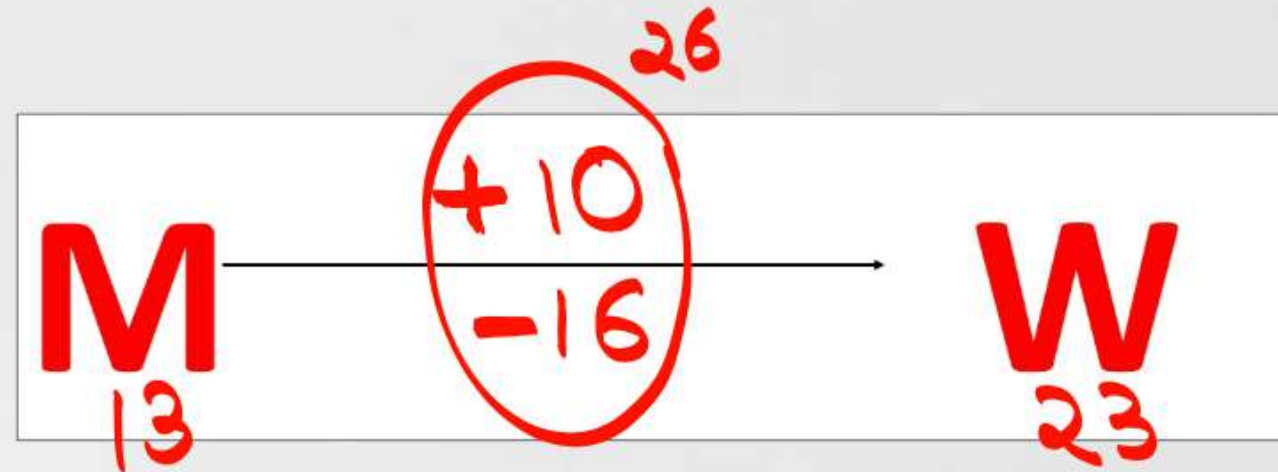
बताइए A व D के बीच कितने अक्षर हैं?



बीचा $3 - 1 = 2$

B, C

बताइए ^M ~~A~~ व ^W ~~D~~ के बीच कितने अक्षर हैं?



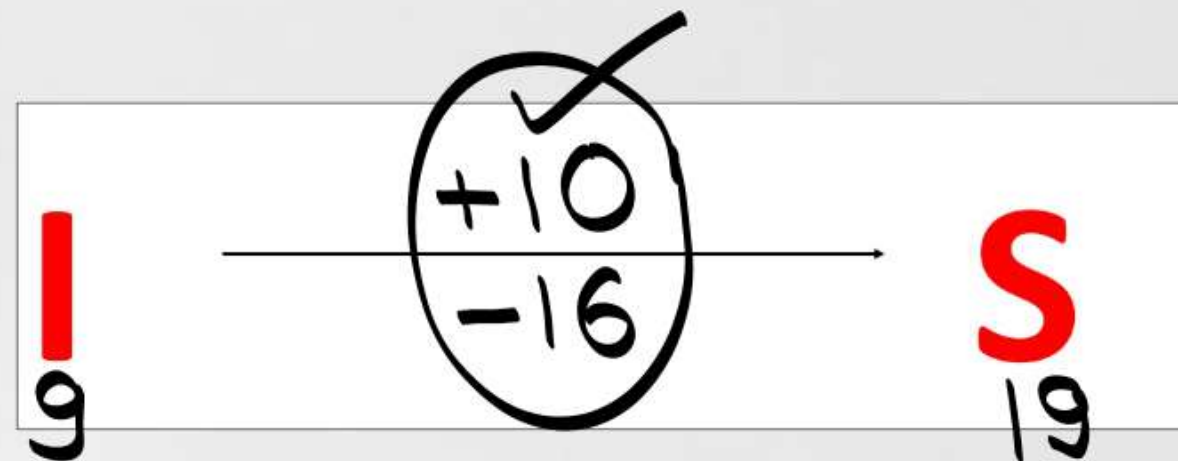
$$\text{बीच} = 10 - 1 = 9 \checkmark$$

N, O, P, Q, R, S, T, U, V

Options

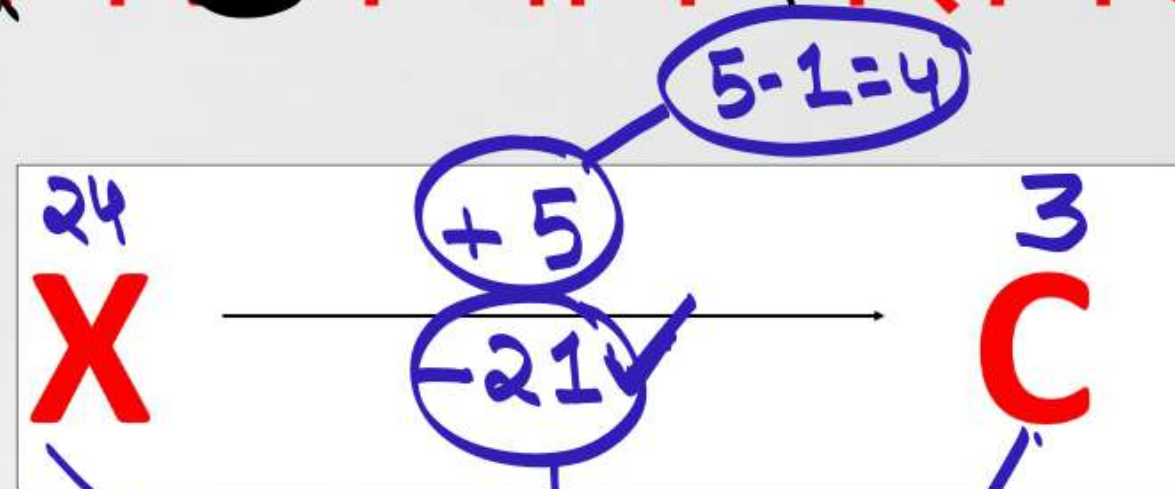
7
8
9
10

I S
बताइए ~~A~~ व ~~D~~ के बीच कितने अक्षर हैं?



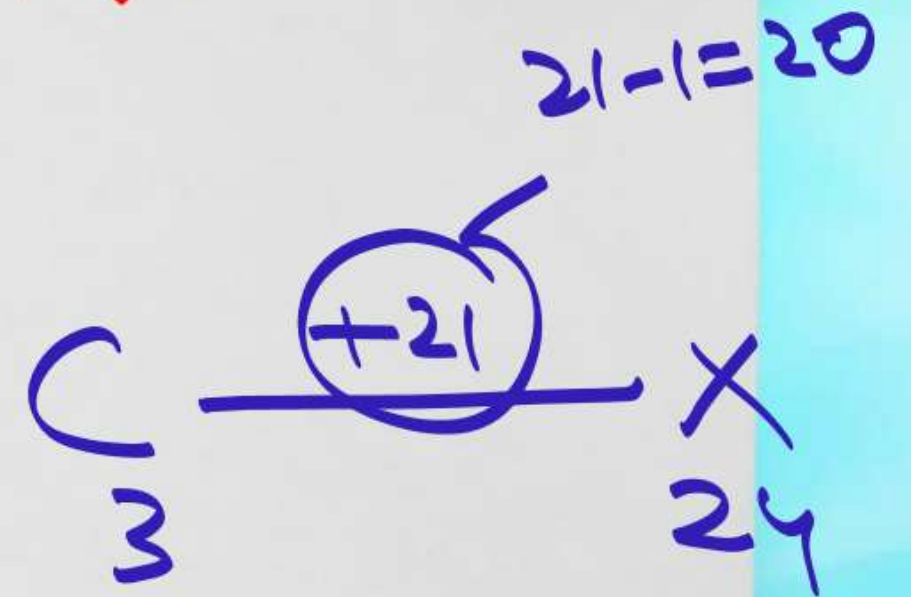
बीच $\rightarrow 10 - 1 = 9$

बताइए ~~X~~ व ~~C~~ के बीच कितने अक्षर हैं?

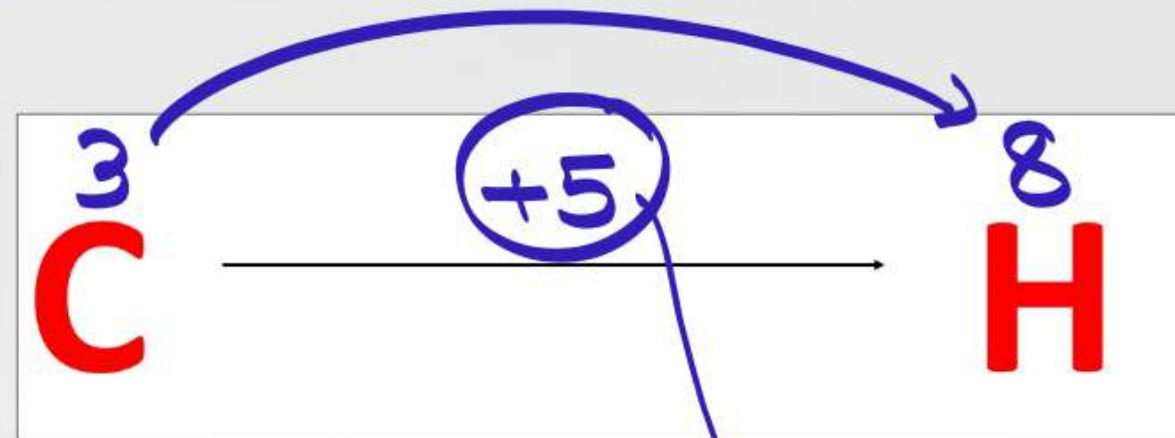


बीच $\rightarrow 21-1=20$ ✓

DEFGH, JKLM, NOPQRST, UVW



बताइए ~~A~~ व ~~H~~ के बीच कतने अक्षर हैं?



$$\text{बीच} = 5 - 1 = 4 \checkmark$$

Method to Remember the Position of Letters in English Alphabet

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

Order



ए बी सी डी

✓

C

F

I

L

O

R

U

X



3

6

9

12

15

18

21

24

→ 3 के multiple ✓

Sound like a medicine
name

✓

E

J

O

T

Y



5

10

15

20

25

— 5 के multiple

Sound like a girl's name
letti



Backward

X	U	R	O	L	I	F	C
↓	↓	↓	↓	↓	↓	↓	↓
3	6	9	12	15	18	21	24

and

V	Q	L	G	B ✓
↓	↓	↓	↓	↓
5	10	15	20	25

Z 1 2 3 ... A 26



Opposite Letter



विपरीत अक्षर

युग्म
Pair

13 Pair

(i) A Z (Aaza) ✓
↓ ↓
1 + 26 = 27

(ii) B Y (By) Boy
↓ ↓
2 + 25 = 27

(ii) C X (Six) CRAX
↓ ↓
3 + 24 = 27

(iv) D W (Dew)
↓ ↓
4 + 23 = 27

(v) E V (Evening)
↓ ↓
5 + 22 = 27

(vi) F U (Uff) फू
↓ ↓
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

Keala Pani

Concept 4

Sum = विपरीत अक्षरो का योगफल हमेशा 27 होता है

योग

Sum of opposites is Always 27.



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।



✓ Group of Letters

Either a Word(Meaning) or can be Unscrambled in
Meaning word /या तो एक शब्द (अर्थ) या अर्थ शब्द में
अनस्क्रेम्बल किया जा सकता है

Letter cluster

Group of Letter

~~LFLI & FILL~~

शब्द ✗

✓ WORD
✓ शब्द ✓

English Dictionary
शब्दकोश

Scrambling → पुनर्व्यवस्थित सार्थक शब्द निर्माण

The vocab test in reasoning