

LETTER BASED

Reasoning

LETTER BASICS



Reasoning

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

0. Letter Basics

1. Coding decoding

2. Alphabet Test

3. Letter Analogy

4. Letter Classification

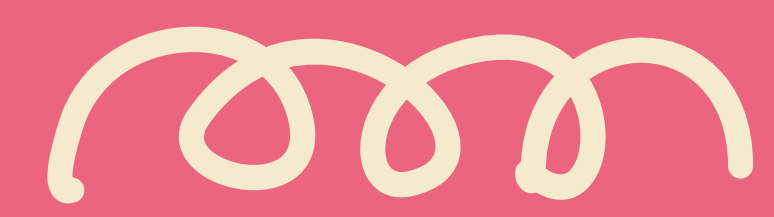
5. Missing Letters

6. Letter series & Sequence



Letter Basics





Topics based on letter-based reasoning ✨

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

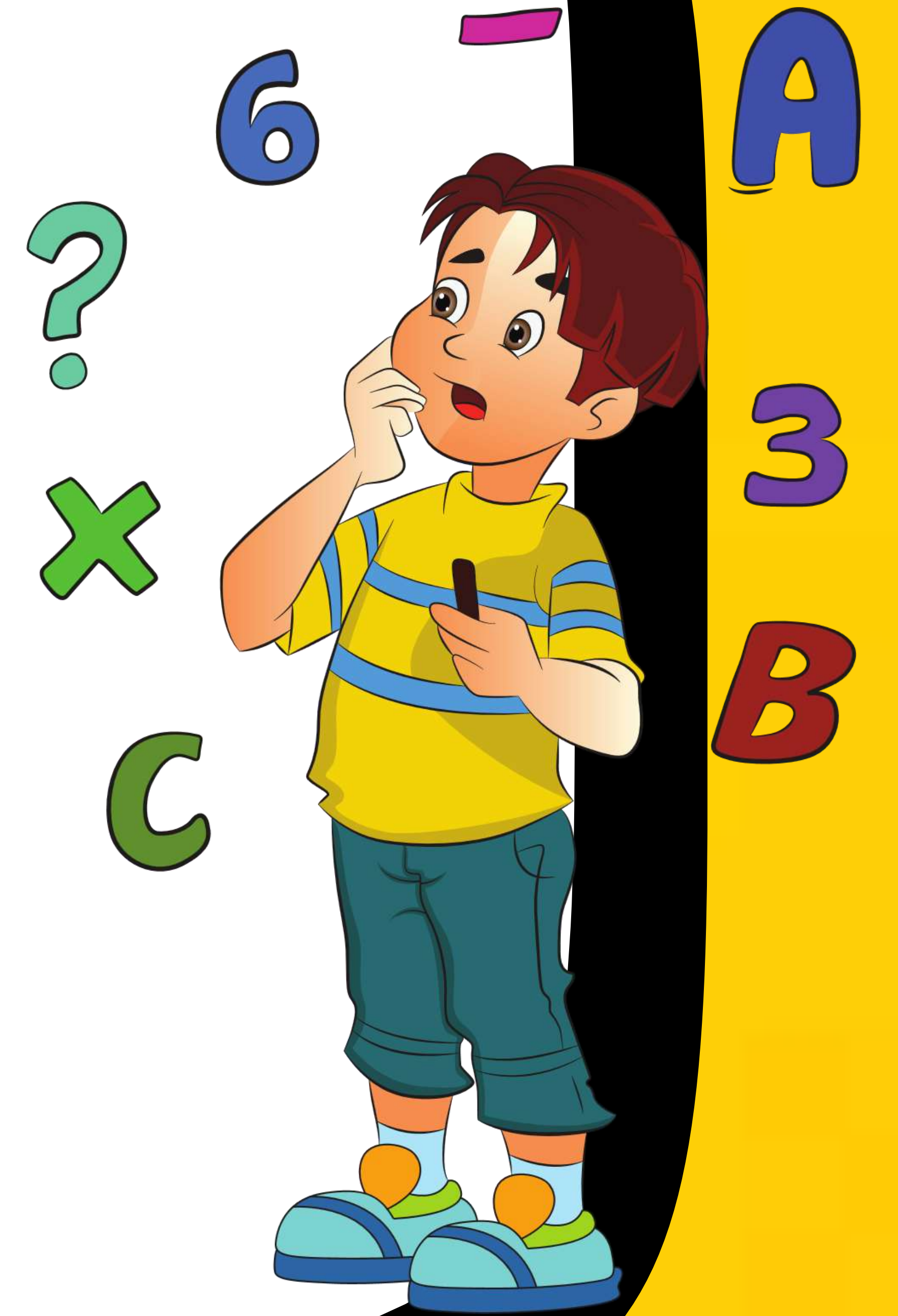


Basic Letter knowledge

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

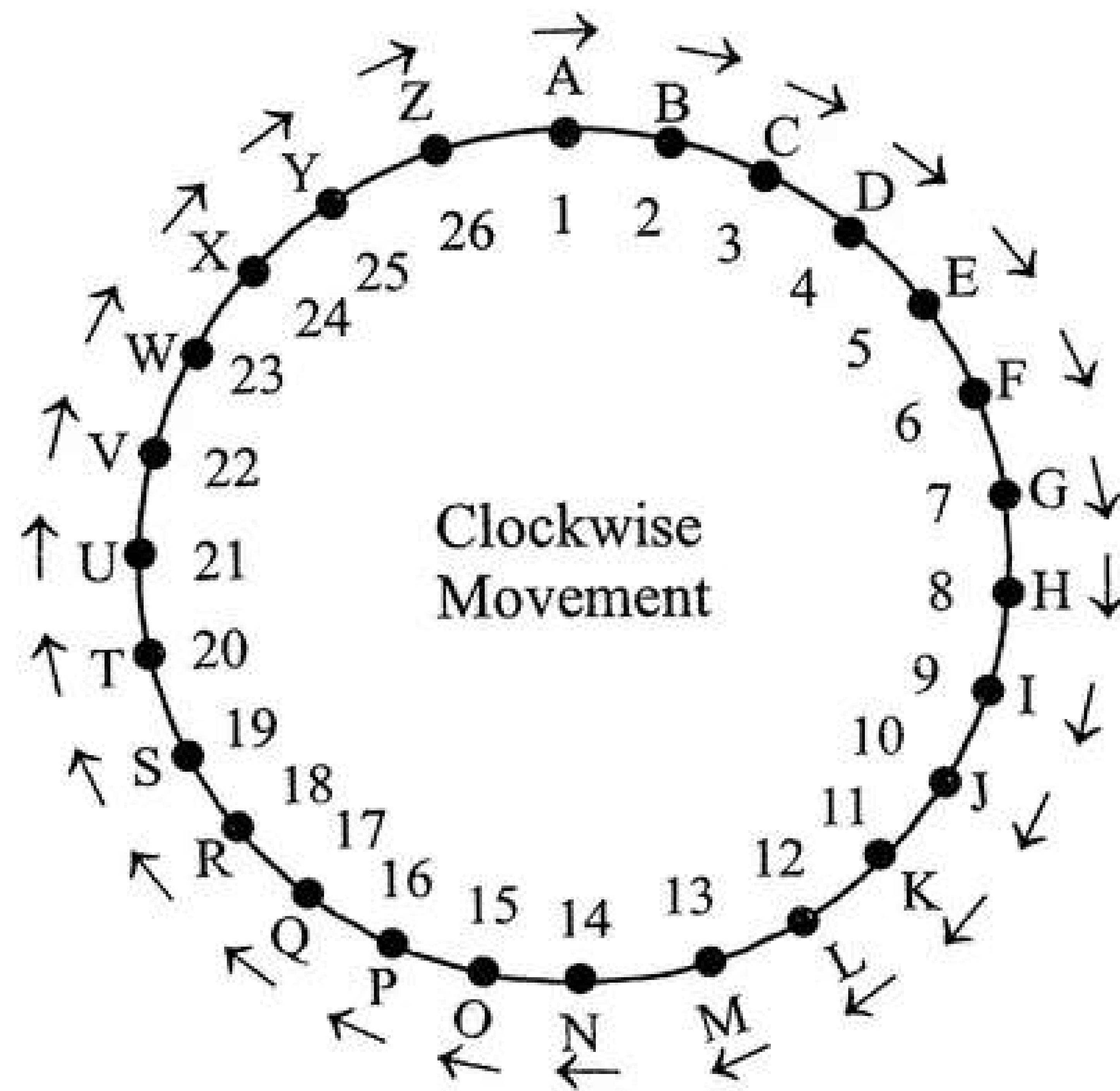


Order of the English

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

- G** – नीचे 7 बना है।
- H** – ऊपर - नीचे से जोड़ने पर 8 बन जाता है।
- I** – ,i को ऐसे 9 की तरह लिखा जाता है।
- K** – king 11 Punjab (IPL team) 😊
- L** – 1, 2 = 2 1 और 2 का mix तो L= 12
- M** – Rotate करने पर 3 बनेगा तो M=13
- N** – 1 और 4 का mix तो N= 14
- P** – 16 साल का prince
- Q** – 17 साल के Queen से शादी किया।
- R** – 18 साल में Raja बन गया।
- S** – 19 साल में मृत्यु की Saja मिल गया।
- U** – Ek kiss u, 21=U 😊
- V** – 2 लाइन हैं मतलब 22
- W** – Rotate करने पर 3 बनेगा तो W=23
- X** – चारो दिशा में फैला है। तो X=24

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



Y → **J**
25 10

M → **V**
13 22

Q → **Y**
17 25

N → **P**
14 16

K → **Q**
11 17

Q → **S**
17 19

Q → **A**
17 1

T → **F**
20 6

M → **U**
13 21

S → **D**
19 4

R → **A**
18 1

Y → **W**
25 23

A → **T**
1 20

W → **B**
23 2

X → **A**
24 1

Positional Difference

```
graph TD; A[Positional Difference] --> B[Forward]; A --> C[Backward]; B --> D[Clockwise]; B --> E[दक्षिणावर्त]; C --> F[Anti-Clockwise]; C --> G[वामावर्त];
```

Forward

आगे से क्रम

Clockwise

दक्षिणावर्त

Backward

पीछे से क्रम

Anti-Clockwise

वामावर्त

दो अक्षरों के बीच के अक्षर ज्ञात करना

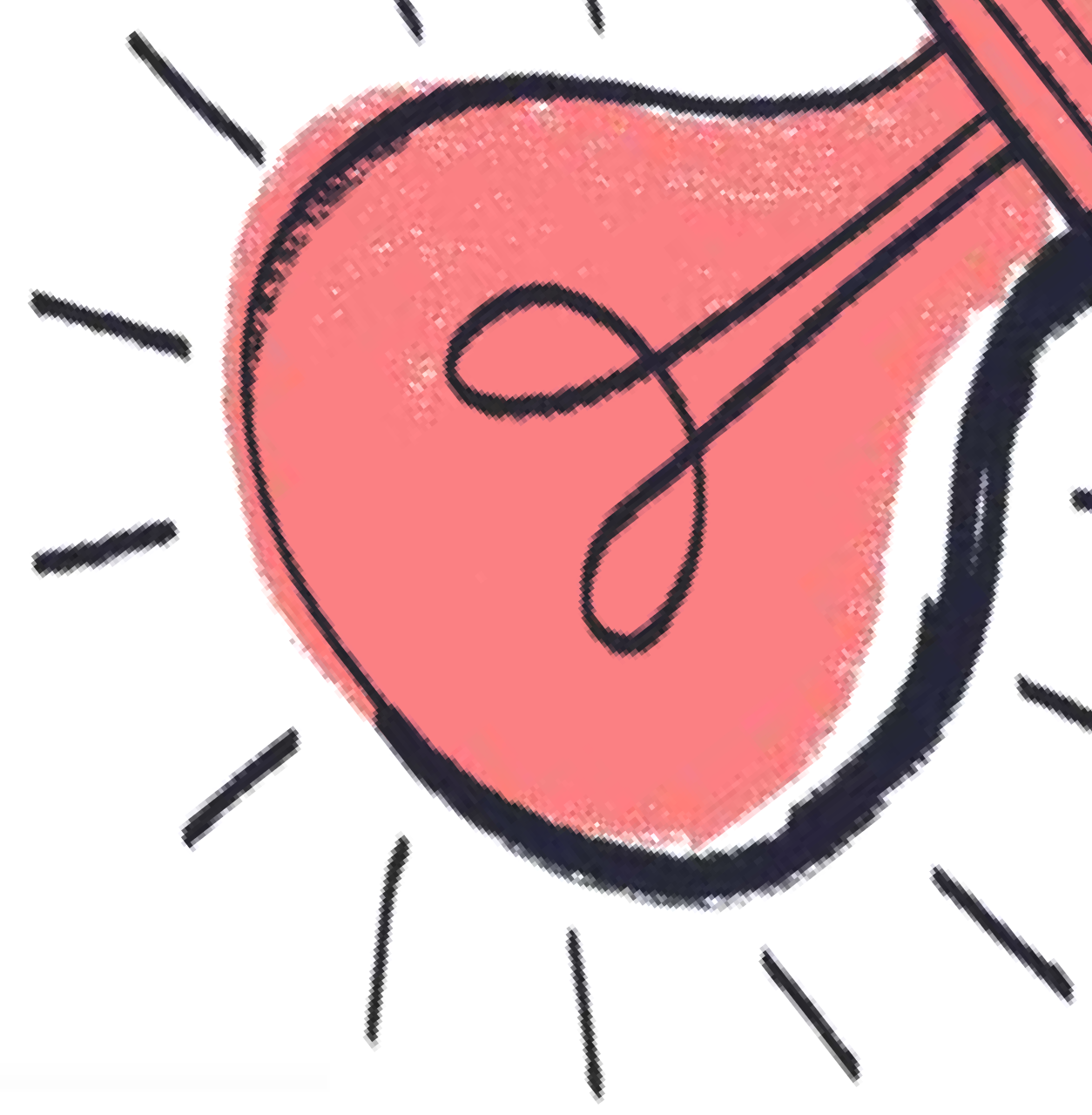
Finding letters between two given letters

👉 **A और T के बीच कतने अक्षर हैं?**

Concept

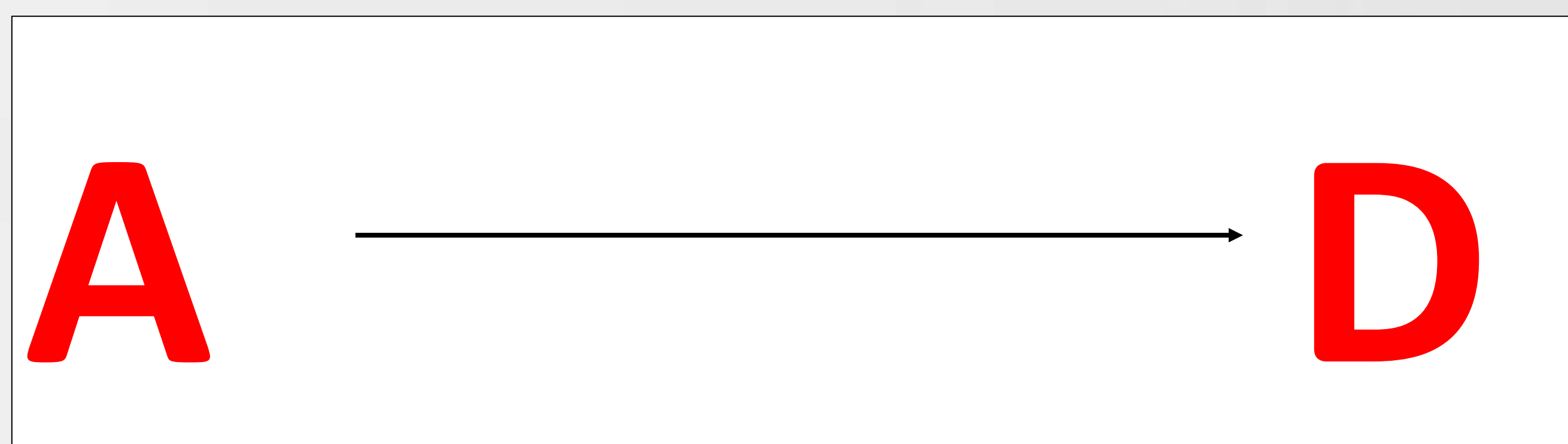
Positional change - 1
= Letters between

स्थान परिवर्तन - 1
= बीच के अक्षरों की संख्या



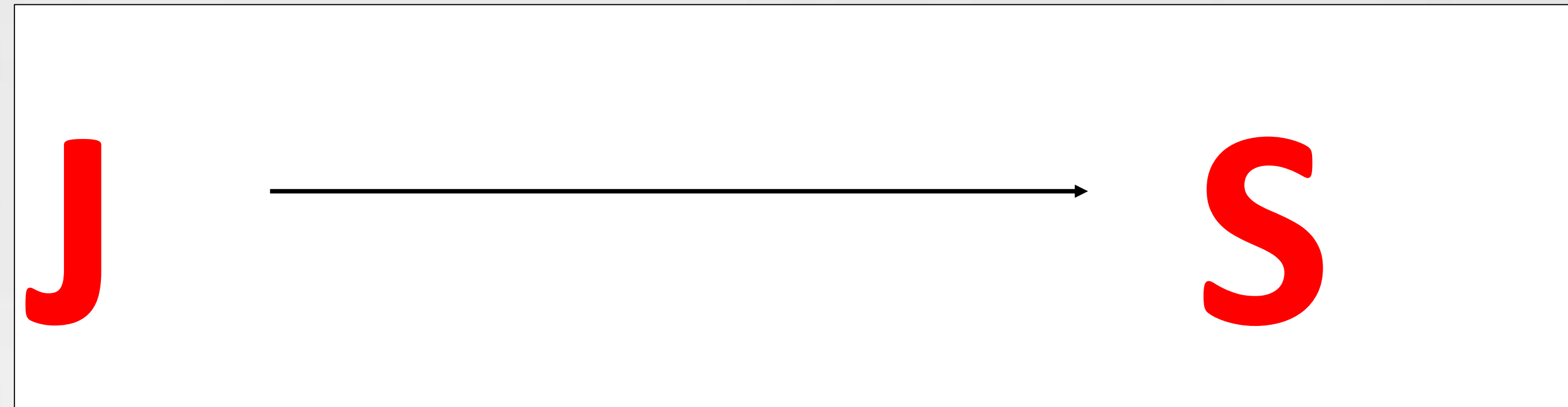
बताइए A व D के बीच कतने अक्षर हैं?

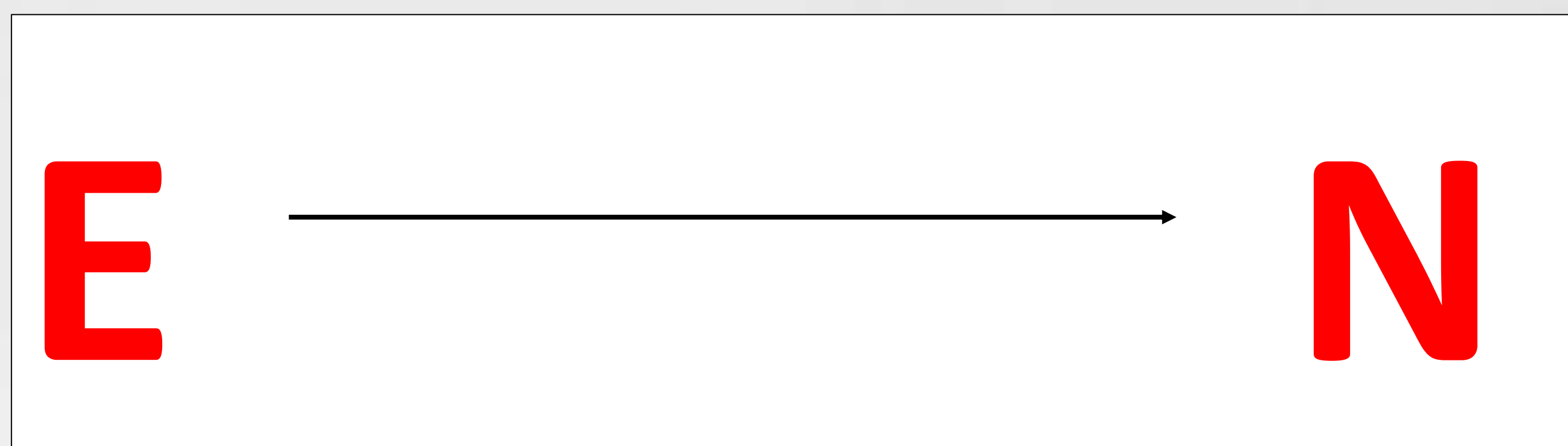
How many letters are there between A and D?

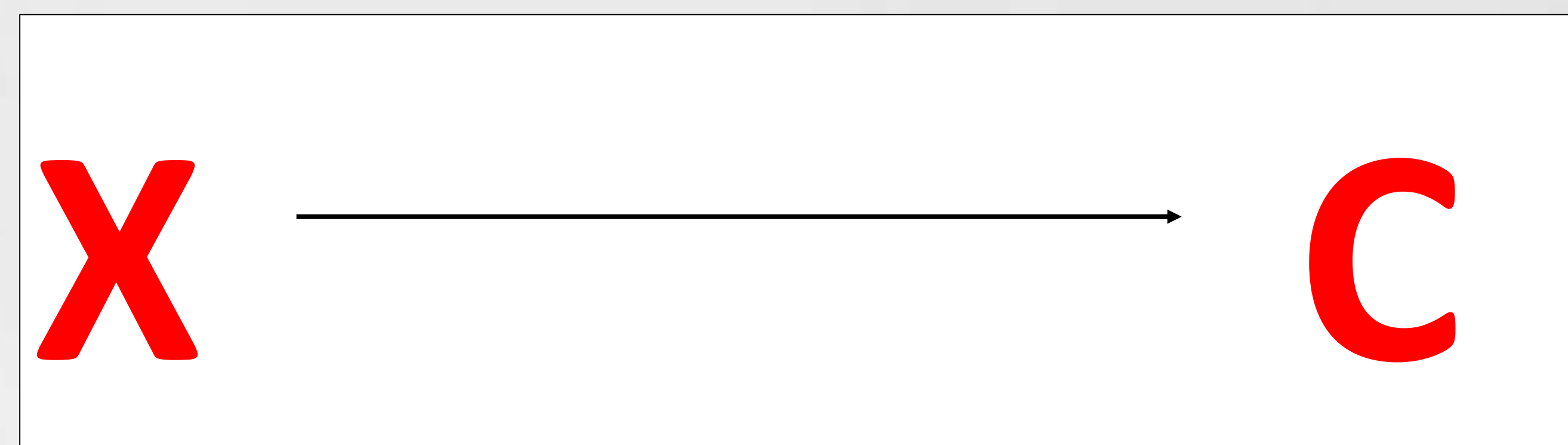


बताइए J व S के बीच कतने अक्षर हैं?

How many letters are there between J and S?

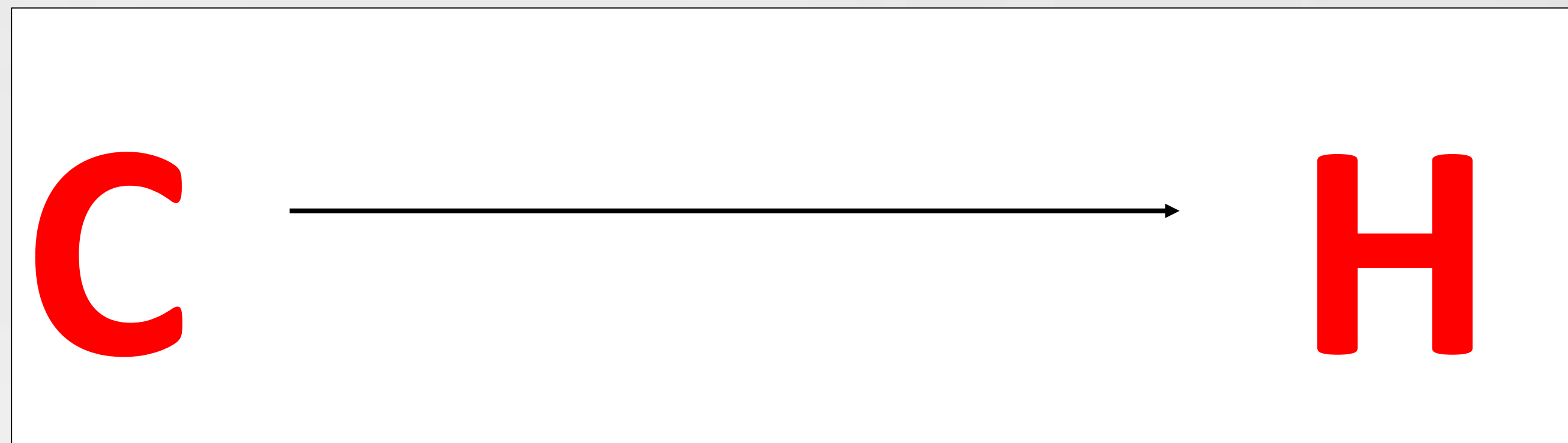




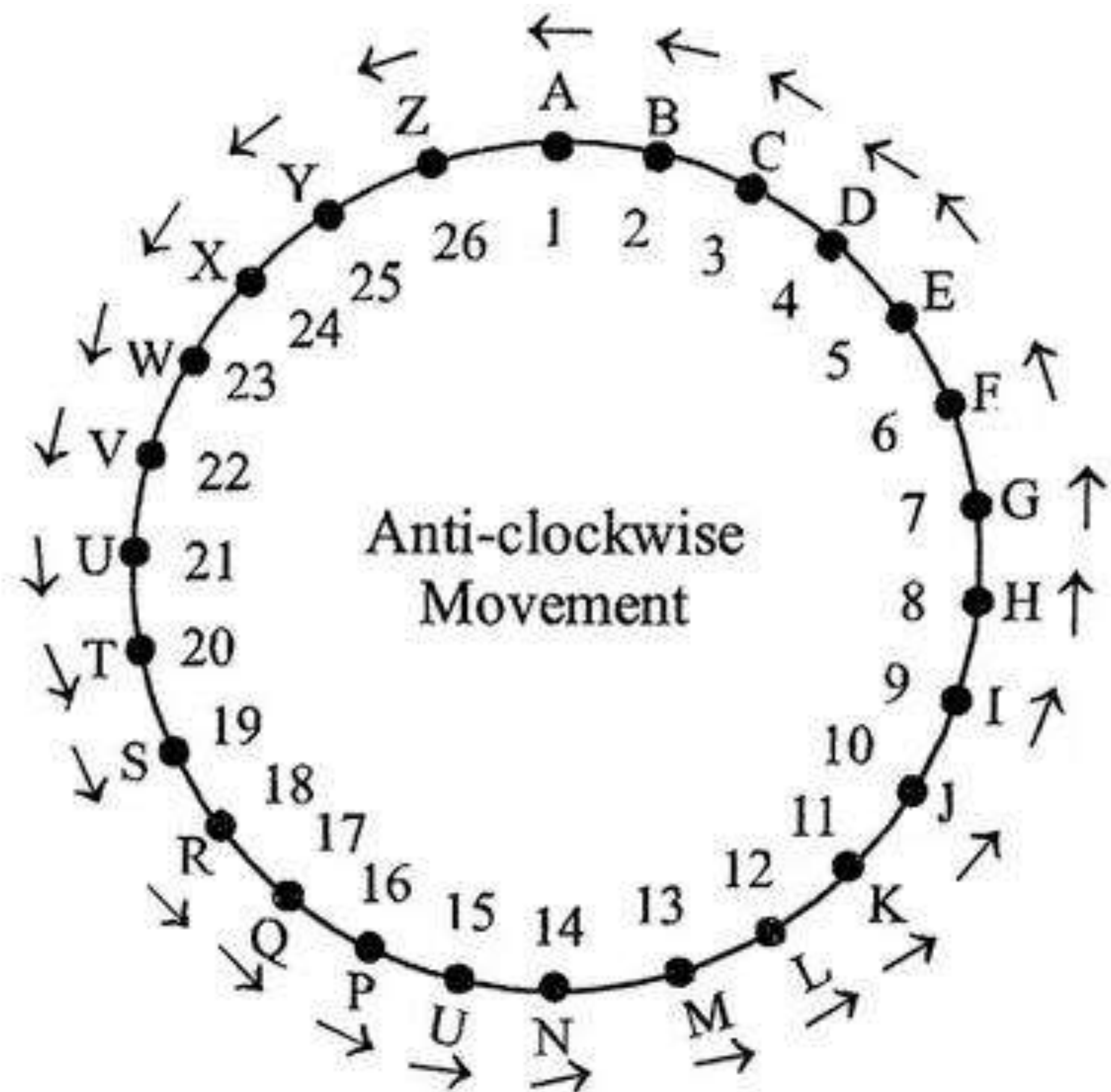


बताइए C व H के बीच कतने अक्षर हैं?

How many letters are there between C and H?



Anti-Clockwise Movement



Method to Remember the Position of Letters in English Alphabet





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

Sound like a medicine name

E	J	O	T	Y
↓	↓	↓	↓	↓
5	10	15	20	25

Sound like a girl's name Joti



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



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



Backward order position of a letter

= 27 - Forward order position of letter

e.g. Backward order position of B

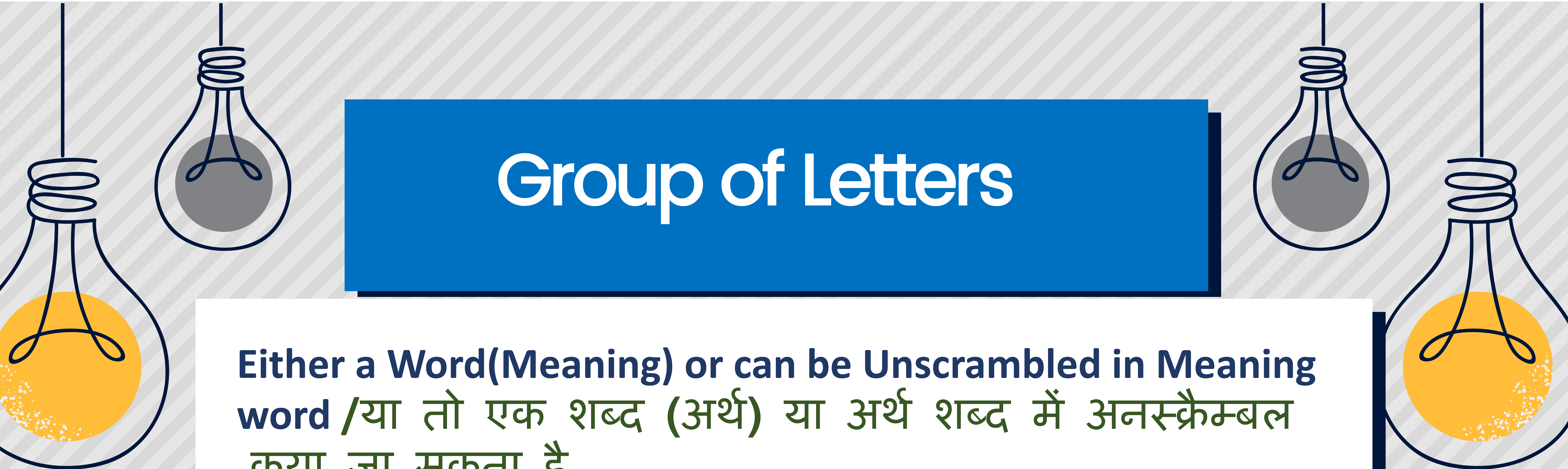
= 27 - Forward order position of B

= 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।



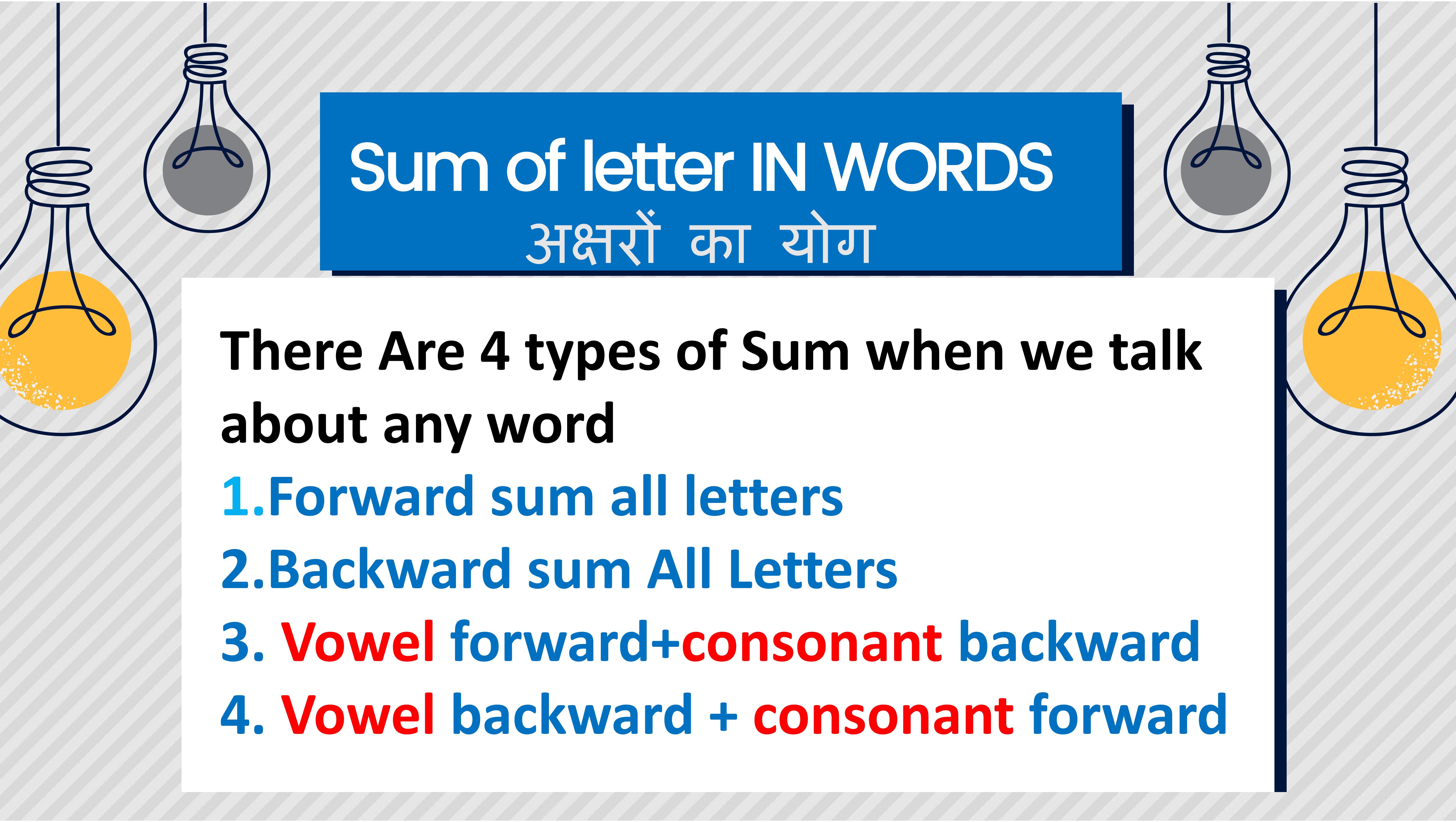


Group of Letters

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

ACT & CAT & TAC

The vocab test in reasoning



Sum of letter IN WORDS

अक्षरों का योग

There Are 4 types of Sum when we talk about any word

- 1. Forward sum all letters**
- 2. Backward sum All Letters**
- 3. Vowel forward + consonant backward**
- 4. Vowel backward + consonant forward**



Sum of letter IN WORDS

VIEW



OPPOSITE Sum of letter IN
WORDS

VIEW



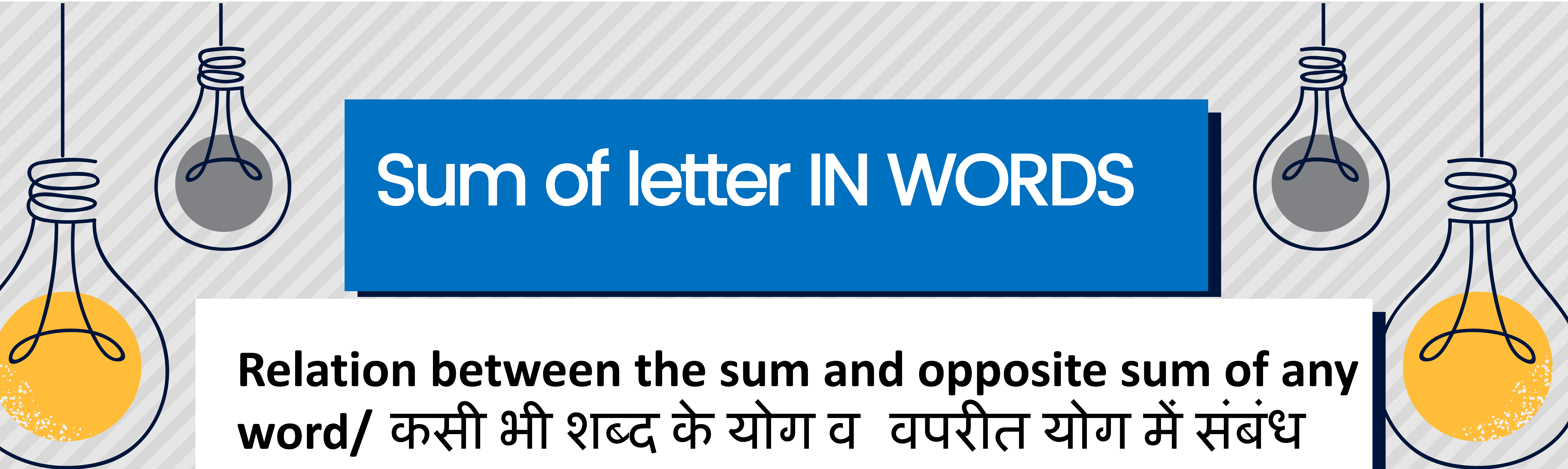
Vowel forward+
Consonant Backward

VIEW



Vowel Backward+
Consonant Forward

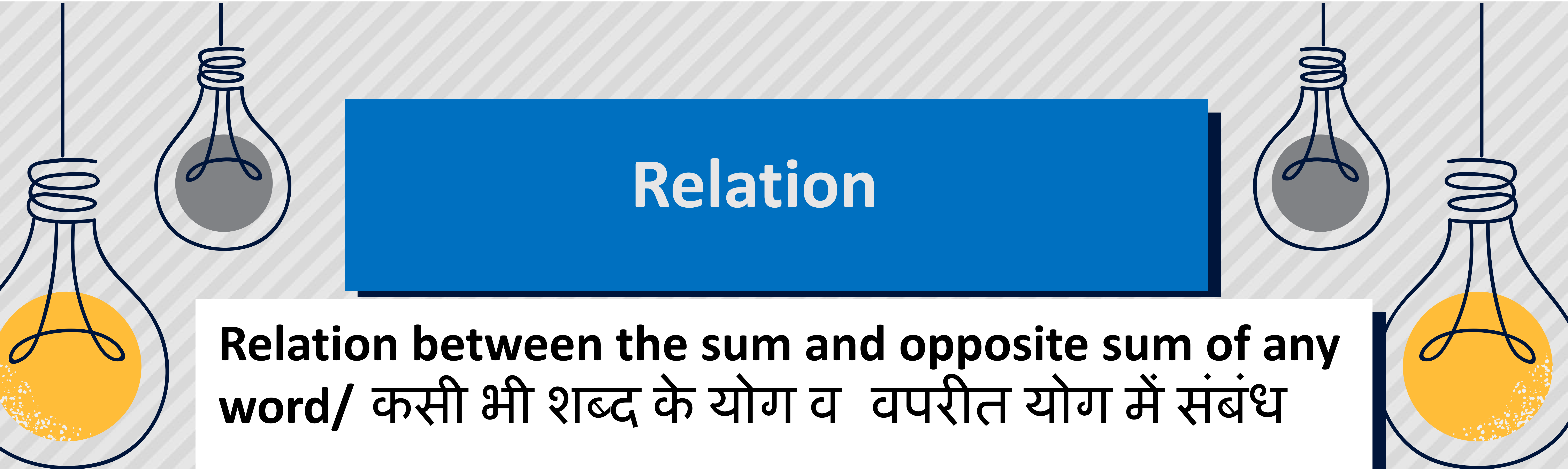
V I E W



Sum of letter IN WORDS

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

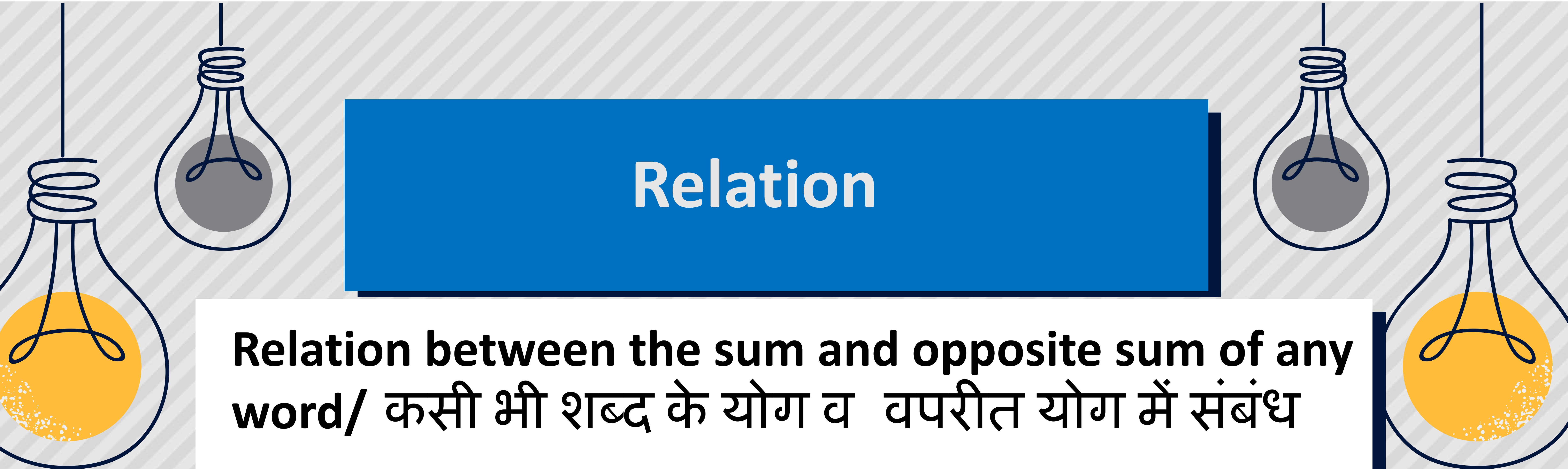
A M A N



Relation

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

A M A N



Relation

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

B L O O D

Relation

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

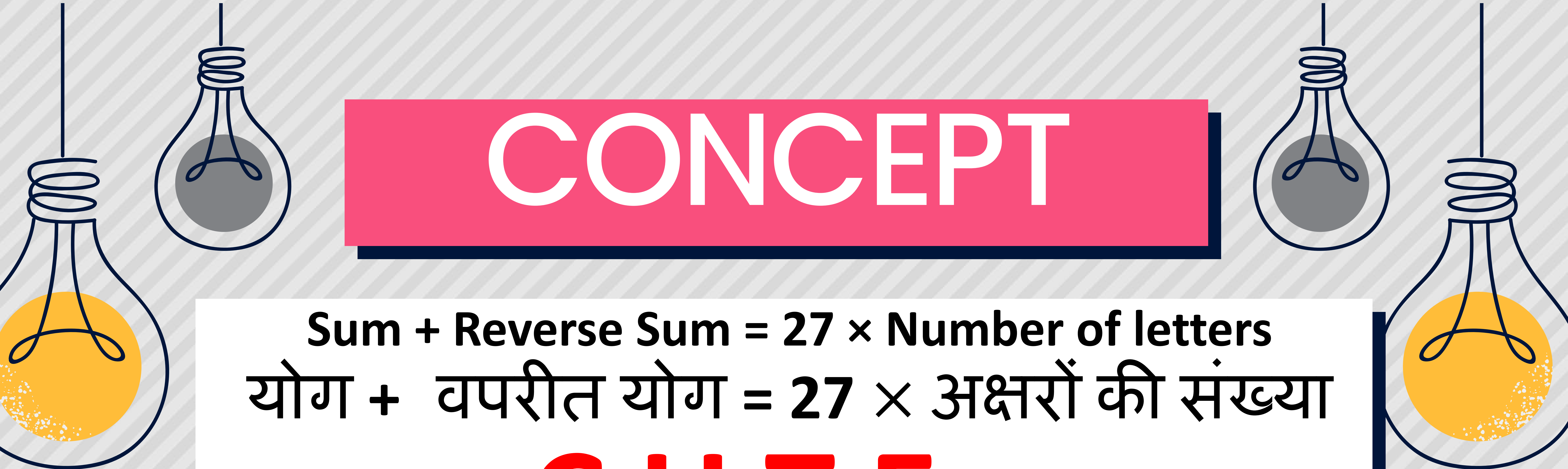
BEAUTY



CONCEPT

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

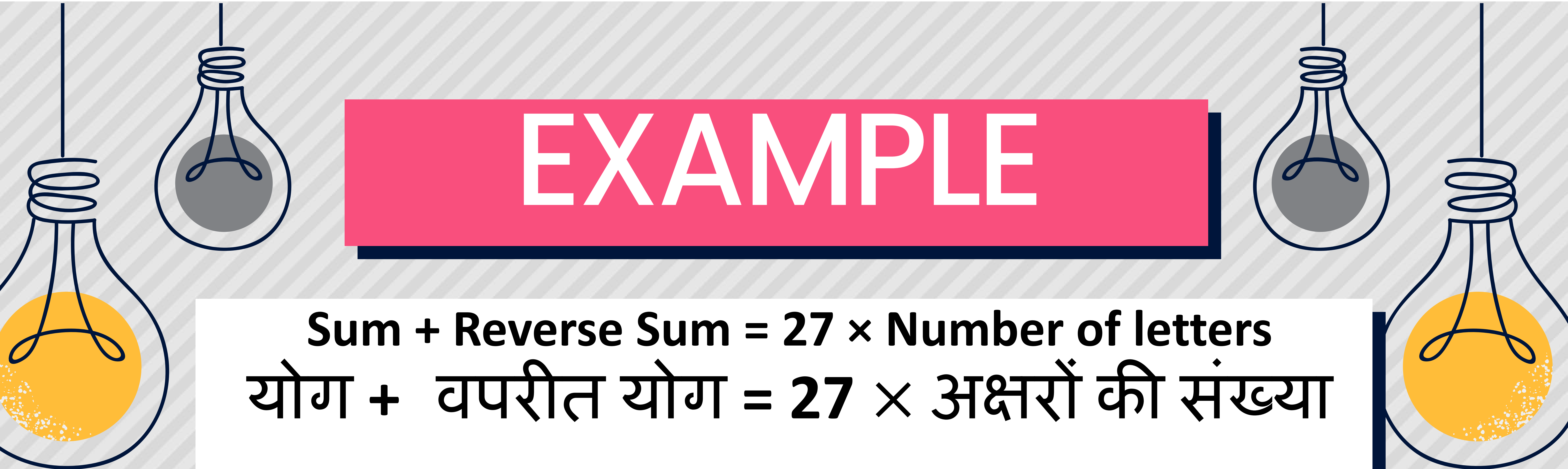
B A T
2 1 20



CONCEPT

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

CUTE



EXAMPLE

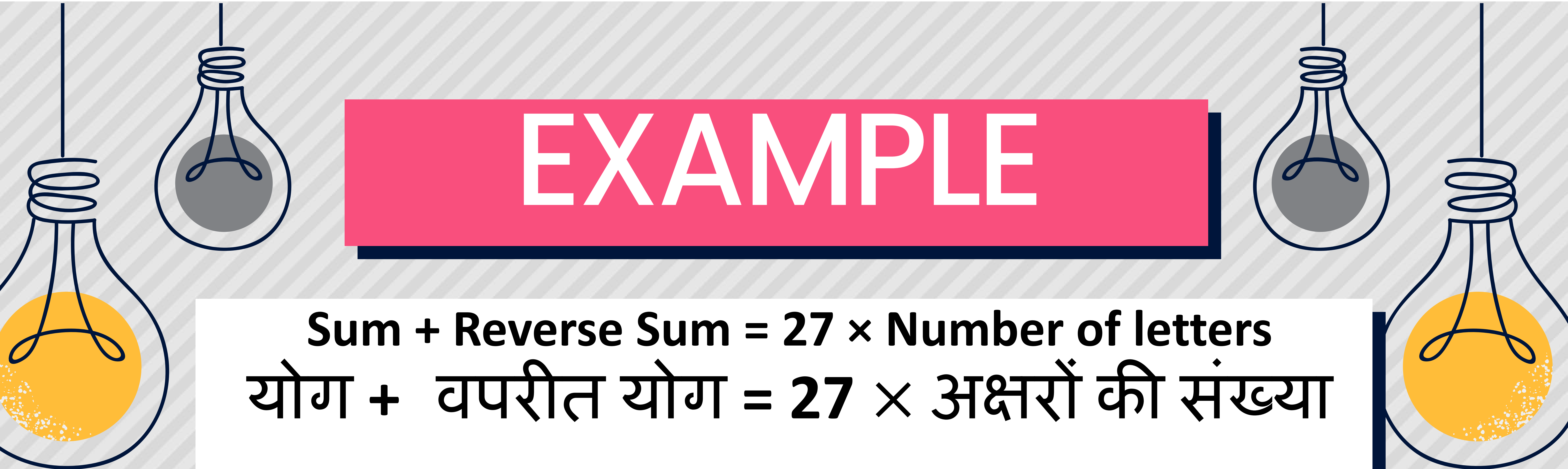
Sum + Reverse Sum = $27 \times$ Number of letters
योग + वपरीत योग = $27 \times$ अक्षरों की संख्या

G I R L

EXAMPLE

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

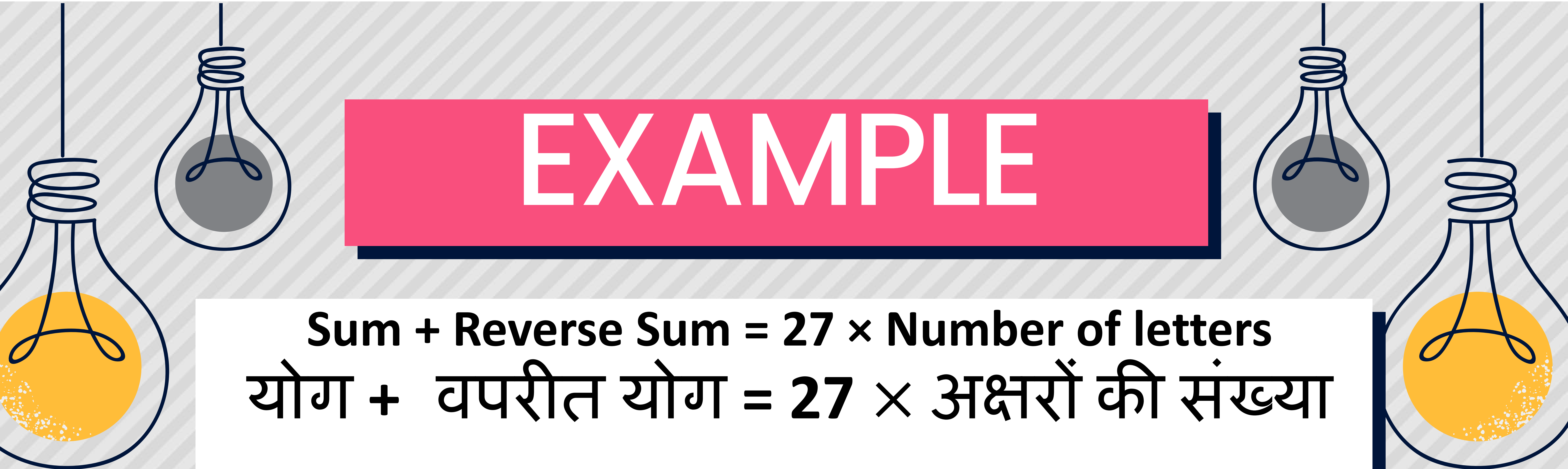
G	A	G	A	N
7	1	7	1	14



EXAMPLE

Sum + Reverse Sum = 27 × Number of letters
योग + वपरीत योग = 27 × अक्षरों की संख्या

V A R U N



EXAMPLE

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

H A R I S H



LETTER CLASSIFICATION



26 અક્ષર

21 વ્યંજન
(Consonant)

05 સ્વર
(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

**9 PRIME
(POSITIONS)**
B C E G K M
Q S W

17 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

The image features a white background with the text "Thank You" centered. The corners are decorated with autumn-themed illustrations: top-left has an orange oak leaf and a swirl; top-right has a green leaf and a swirl; bottom-left has a green leaf; bottom-right has an orange maple leaf and a swirl.

Thank You