

Left  $\Rightarrow \Rightarrow$  (L) to (R) Right

From left = To Right = Towards Right

From your left = To your Right = Towards your Right.

(L)  $\leftarrow \leftarrow$  (R)

(L)

From Right = To left = Towards left

From your Right = To your left = Towards your left

Alphabetical Qubble :-

Qubble means "play with"

G T<sub>20</sub> = Twenty

F = 6  
Fix = six

(R)

(L)	A	B	C	D	E	F	G	H	I	J	K	L	M	(first half) 13	26	(second half)
	N	O	P	Q	R	S	T	U	V	W	X	Y	Z			

Ex:- Which letter will be fourth to the right of 12<sup>th</sup> position from your left end of the English alphabet.

Ans) 'P'  $\frac{\text{to}}{4R} + \frac{\text{from}}{12L} = 16L$

Ex:- Which letter will be fifth to the left of 9<sup>th</sup> letter from your right end of the English alphabet.

A)  $\frac{\text{to}}{5L} + \frac{\text{from}}{9R} = 14R$  'M'.

Ex:- Which letter will be sixth to the left of 20<sup>th</sup> position from your left hand of English alphabet.

Ans)  $\frac{\text{to}}{6L} - \frac{\text{from}}{20L} = 14L$  'N'

Ex:- Which letter will be 5<sup>th</sup> to the right of 20<sup>th</sup> position from your right end of the English alphabet. (2)

A) To      from  
 $5R - 20R = 15R$       L

Note:-

- Like in above type of problems if in to and from position
  - If both are same directions (subtract them) (-)
  - If both are different directions (Add them) (+)

<u>To</u>	<u>From</u>
L + R	
R + L	

Ex:- Which letter will be 12<sup>th</sup> to the left of 30<sup>th</sup> position from your left end of the English alphabet.

A) To      From  
 $12L - 30L = 18L$       "R"

Type-II questions:-

Ex:- If in the English alphabet interchange 'A' takes the 'Z', and 'Z' takes place of 'A', 'B' takes 'Y', 'Y' takes 'B' which letter will be 6<sup>th</sup> to the right of 10<sup>th</sup> position from your left end.

Ans:- to      from  
 $6R + 10L = 16L$       "P"

Ex:- If in the English alphabets interchange their positions i.e.) 'A' takes place of 'Z', 'Z' takes 'A', 'B' takes 'Y', 'Y' takes 'B' and so on. Which letter will be 5<sup>th</sup> to the right of 12<sup>th</sup> position from your left end.

Ans) to      from  
 ...      ...      "J"      so on, (~~given~~ given so alphabets interchanged)

Note:-

Like in above type of problems if total alphabets written in reverse order then obtain direction is reverse i.e.,

$$L \rightarrow R, R \rightarrow L$$

Ex:- In above problem which letter will be 6<sup>th</sup> to the right of 22<sup>nd</sup> position from your right end.

Ans:-  $\begin{array}{r} \text{to} \quad \text{from} \\ 6R \quad - \quad 22R \\ \hline \end{array} = 16(R) \rightarrow 16L \Rightarrow \underline{\underline{P}}$

Type-III Questions:-

Ex:- If in the English alphabets interchange their position i.e., 'A' takes 'B', 'B' takes 'A', 'C' takes 'D', 'D' takes 'C' and so on... which letter will be 6<sup>th</sup> to the right of 11<sup>th</sup> letter from your left end.

A)  $\begin{array}{ccccccccccccccccc} L & B & A & D & C & F & E & H & G & J & I & L & K & N \\ \swarrow & & & & & & & & & & & & & & \\ M & P & O & R & Q & T & S & V & U & X & W & Z & Y & \textcircled{R} \end{array}$

$$\begin{array}{r} \text{to} \quad \text{from} \\ 6R + 11L = 17L \quad \underline{\underline{R}} \end{array}$$

(or)

$$6R + 11L = 17L \text{ (add } +1\text{)} \Rightarrow \frac{17L+1}{\downarrow \text{odd}} = 18L \text{ (original alphabet)} \Rightarrow \underline{\underline{R}}$$

Note:-

Like in above type of problems if adjacent (or) interchange their positions then apply odd even principle.

$$\text{odd} = +1$$

$$\text{even} = -1$$

Ex:-) In above problem which letter will be 5<sup>th</sup> to the right of 25<sup>th</sup> position from your right end.

(3)

Ans) To    From

$$SR - 25R = 20R \text{ (even then subtract '1')} \\ = 20R - 1 \Rightarrow 19R \Rightarrow \underline{\text{H}}$$

Ex:-) If in the English alphabets all adjacent positions ~~are~~<sup>or</sup> interchange their places and also total sequence is written in reverse order then which letter will be 6<sup>th</sup> to the left of 13<sup>th</sup> position from your right end.

Ans) To    from

$$6L + 13R = 19R \text{ (odd then add '1')} \\ = 19R + 1 \Rightarrow 20\overset{\text{Total}}{R} \Rightarrow 20L \Rightarrow \underline{\text{T}}$$

Ex:-) In above problem which letter will be 4<sup>th</sup> to the right of 14<sup>th</sup> position from your left end.

A) To    from

$$4R + 14L \Rightarrow 18L \text{ (even, so subtract)} \\ \Rightarrow 18L - 1 \Rightarrow 17\overset{\text{L}}{L} \\ \Rightarrow 17R \Rightarrow \underline{\text{I}}$$

Ex:-) If in the English alphabets first half of the alphabets are written in reverse order, which letter will be 5<sup>th</sup> to the left of 13<sup>th</sup> position from your right end.

A) To    From  
5L + 13R  $\Rightarrow$  18R

"E"

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

(Ex:-) which letter will be midway b/w 6<sup>th</sup> position from left end and 11<sup>th</sup> from right end.

A)  $\xrightarrow{6L} \xleftarrow{11R} \Rightarrow \underline{\text{"K"}}$

$\textcircled{GHIJ} \text{ K } \textcircled{LMNO}$

Ex:-) which letter will be midway b/w 7<sup>th</sup> position from left end and 9<sup>th</sup> from right end.

A)  $\xrightarrow{7L} \xleftarrow{9R}$

$\textcircled{H I J K L } \textcircled{M N O P Q}$

$\Rightarrow$  NO such letter is there.

Ex:-) which letter will be midway b/w 9<sup>th</sup> position from left end and 10<sup>th</sup> from right end.

A)  $\xrightarrow{9L} \xleftarrow{10R}$

$\textcircled{J K L } \textcircled{M N O P}$

$\Rightarrow \underline{\text{"M"}}$

(Ans)

Ex:-) which letter will be midway b/w 8<sup>th</sup> position from left and 12<sup>th</sup> from right.

A)  $\xrightarrow{8L} \xleftarrow{12R}$

$\textcircled{I J K } \textcircled{L M N}$

$\Rightarrow$  NO such letter

Note:-

- b1. Like it above type of problems if from either ends both are even (or) both are odd then there is no midway b/w them

- 2. If from either ends one is even and another one is odd then there is possibility for midway b/w them. Find that midway position given from either <sup>end</sup> subtract

from "26" and divide with  $\frac{2}{2}$  of remainder and rounded to next figure and add this fig to any position number and count from the way only.

(4)

$$\text{Ex:- } 26 - 19 = \frac{7}{2} = 3.5 \equiv 4 \quad \text{add this 4 to 26} \\ \Rightarrow 30 \text{ L}$$

Type - II Questions:-

~~Ex:-~~ Study the following sequence carefully and answer the questions as follows.

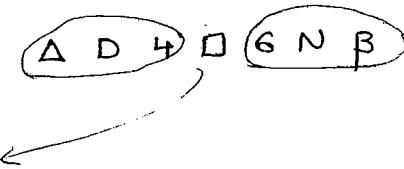
$$(1) \ A \ 3 \ B \ \Delta \ D \ 4 \ \square \ 6 \ N \ \beta \ 5 \ M \ 2 \ \star \ E \ 8 \quad (R) \ \underline{\text{Total = 16}}$$

~~Ex:-~~) In above sequence which letters (or) numbers, symbols will be midway b/w 4<sup>th</sup> position from left end and 6<sup>th</sup> position right end.

$$A) \ \overrightarrow{4} \quad \overleftarrow{6} \quad \Rightarrow 16 - 10 = 6 \Rightarrow \boxed{D \ 4 \ \square} \quad \boxed{6 \ N \ \beta} \\ \text{No such no. exist}$$

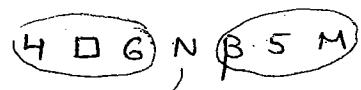
~~Ex:-~~) In above sequence which letter (or) number (or) symbol midway b/w 3<sup>rd</sup> to left and 6<sup>th</sup> to Right.

$$A) \ \overrightarrow{3 \text{ L}} \quad \overleftarrow{6 \text{ R}} \quad \Rightarrow 3 + 6 = 9 \\ 16 - 9 = \frac{7}{2} = 3.5 \equiv 4 \\ 4 + 3 = 7 \text{ L} \Rightarrow \square$$



~~Ex:-~~) In above sequence which letter (or) number (or) symbol will be 4<sup>th</sup> to right of 5<sup>th</sup> position from left end.

$$A) \ \underline{\text{To}} \quad \underline{\text{From}} \\ 4R + 5L \Rightarrow 9L \Rightarrow 'N'$$



~~Ex:-~~) In above sequence all adjacent positions are interchange then which letter or number or symbol will be 5<sup>th</sup> to the left of 16<sup>th</sup> position from your left end.

$$A) \ \underline{\text{To}} \quad \underline{\text{From}} \\ 5L - 16L \Rightarrow 11L \Rightarrow 11L + 1 \Rightarrow 12L \\ \text{"M"} \quad \text{(interchange)}$$

Ex:-) In above sequence all adjacent positions are interchange their places and also total sequence is written in reverse order then which letter, symbol, number will be 4<sup>th</sup> to the left and 7<sup>th</sup> from Right.

A) To / From

$$4L + 7R = 11R$$

$$11R + 1 = 12(R) \Rightarrow 12L \Rightarrow \underline{M}$$

Ex:-) In above sequence which letter will be 4<sup>th</sup> to the right of 5<sup>th</sup> position from left end. If that position is a symbol immediately a preceded of that. If the position is a numbered immediately followed letter is your answer.

A) To / From

$$4R + 5L = 9L \Rightarrow \underline{N}$$

Ex:-) In above sequence letters are coded as FEMALES, numbers are coded as "MALES", symbols are coded as "CHILDRENS". How many CHILDRENS males are there. We are having either side females.

A)  $\begin{array}{ccc} F & M & F \\ \downarrow & \downarrow & \downarrow \\ L & N & L \end{array}$

Ex:-) In above sequence according to their positions of the ratio b/w symbols to letters.

A)  $\begin{array}{cc} S & L \\ \swarrow & \searrow \\ 4 & : 6 \\ 2 & : 3 \end{array}$