

LETTER, NUMBER SERIES AND RANKING & BLOOD RELATIONS

Letter and Number Series

- Different series patterns: Addition/Subtraction, Squares/cubes, Alternate series & Practice from PPT
- Commonly used Letter series patterns & Practice from PPT

Ranking

- Ranking concept introduction and application & Practice from PPT

Blood Relation

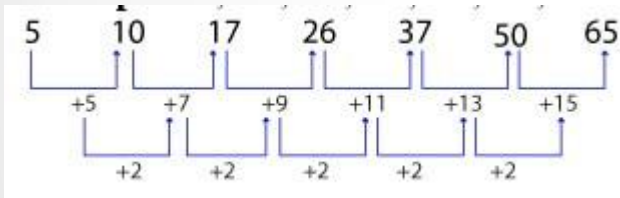
- Concept of family tree and sign conventions
- The problems with pointing to a picture
- symboperation related problems
- Puzzle related problems

Types of Number Series

There are many types of number series. A few of them are explained below,

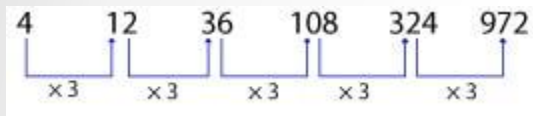
Arithmetic Series:

Example: 5, 10, 17, 26, 37, 50, 65



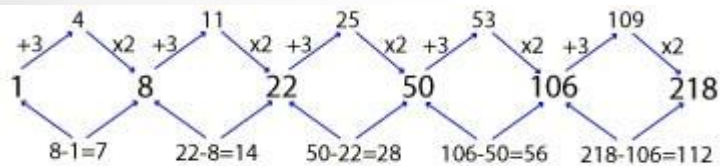
Geometric Series:

Example: 4, 12, 36, 108, 324, 972



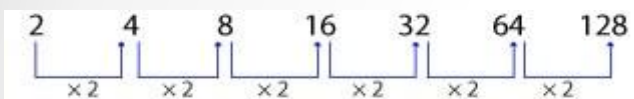
Arithmetic-Geometric Series:

Example: 1, 8, 22, 50, 106, 218



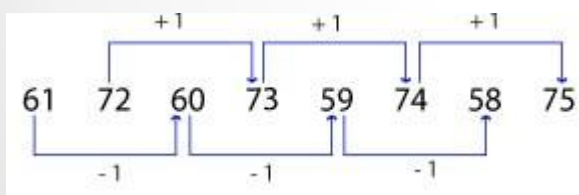
Product series:

Example: 2, 4, 8, 16, 32, 64, 128



Mixed series:

Example: 61, 72, 60, 73, 59, 74, 58, 75



Number Series

1. Find the next term of the series 21,26,23,28,25,30,?

A) 21

B) 29

C) 27

D) 33

Number Series

2. Find the next term of the series 1,9,29,67,?

- A) 85 B) 115 C) 129 D) 155

Number Series

3. Find the next term of the series: 49, 216, 625, 1024, 729, ?

A) 512

B) 256

C) 128

D) 324

Number Series

4. Find the next term of the series: 7,16,51,208,?

A) 985

B) 1045

C) 1095

D) 1165

Number Series

5. Find the next term of the series: 8, 4.5, 5.5, 13, 56, ?

A) 566

B) 496

C) 596

D) 456

Number Series

6. Find the next term of the series: 243,5,81,15,27,45,9,?

A) 5

B) 15

C) 135

D) 27

Letter Series:

A	1
B	2
C	3
D	4
E	5
F	6
G	7
H	8
I	9
J	10
K	11
L	12
M	13

Z	26
Y	25
X	24
W	23
V	22
U	21
T	20
S	19
R	18
Q	17
P	16
O	15
N	14

Missing Alphabet Series:

Example 1: The missing letter of the series O, R, U, __ is:

A) V B) W C) X D) Y E) Z

Mixed Series:

Example: What will be the next term of the series A1F, B4G, C9H, D16I, ?

Miscellaneous Series:

Example: Find the missing series.

xy _ kx _ zk _ yzk xyz _ _

Explanation:

xyzk/ xyzk/ xyzk/ xyzk/ x

=> **zyxkx**

Letter Series

7. Find the next term of the series QLF, TOI, WRL, _____
A) ZJF B) ZUO C) ZID D) ZHE

Letter Series

8. Find the next term of the series MKP, QOT, USX, _____

A) YXG

B) ZWB

C) YWB

D) UZC

Letter Series

9. Find the next term of the series ZA5, Y6B, XC7, W8D, _____
A) E7V B) V2E C) VE5 D) VE9

Letter Series

10. Find the missing term in the series a_bbc__a_b_c

A. bcaca

B. babac

C. acabc

D . acabb

Letter Series

11. Find the missing term in the series xy_x_yxx_y_y

A) xyyx

B) xyxy

C) xxyy

D) xyyy

Ranking

Example: In a row of persons, the position of Aparna Nair from the left side of the row is 27th and there are 5 persons after her in the row. Find the total no. of persons in the row?

Solution : No. of persons in the row = Position of Aparna from left + No. of persons after Aparna

$$\Rightarrow \text{Total no. of persons} = 27 + 5 = 32$$

Ranking

12. In a row where all are facing north, Priya is 15th from the left end and Garima is 19th from the right end. They interchange their positions, and Ram who sits 24th from the left end sits at the 5th place to the left of Priya's new position. How many persons were there in the row?

- A) 36 B) 42 C) 47 D) 56

Ranking

13. In a queue of students facing north, Ayesha and Anisha are standing at 10th and 8th position from the left and right end respectively. If another student Ariva who is 12th from the left end is exactly in between Ayesha and Anisha then find the position of Ayesha from right end ?

- A) 10th B) 12th C) 15th D) 8th

Ranking

14. In a north facing row of NCC Cadets, Trisha is 9th from the left end and Tina is 12th from the right end. There are 5 cadets between Trisha and Tanya which is equal to the number of cadets between Tanya and Tina. Find how many cadets are there in the row?

- A) 34 B) 32 C) 31 D) 33

BLOOD RELATIONS

Some Important types of Relations

Mother's (or) father's son – Brother

Mother's (or) Father's Daughter – Sister

Mother's brother – Maternal Uncle

Father's Brother – Paternal uncle

Mother's (or) Father's sister – Aunt

Mother's (or) Father's father – Grand father

Mother's (or) Father's mother – Grand mother

Son's wife – Daughter in law

Daughter's husband – Son in law

Husband's (or) Wife's father – Father in law

Husband's (or) Wife's mother – Mother in law

Husband's (or) Wife's brother – Brother in law

Husband's (or) Wife's sister – Sister in law

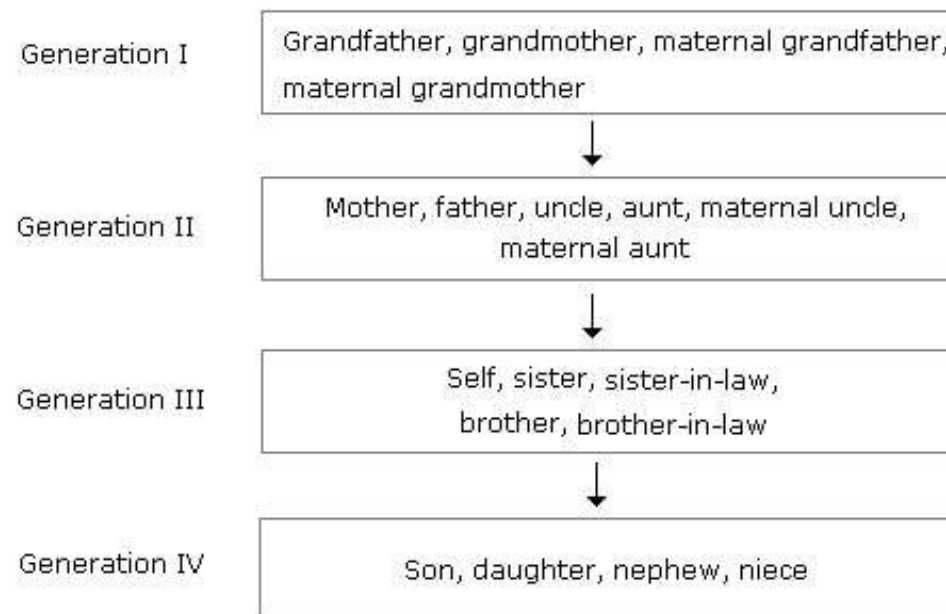
Sister's husband – Brother in law

Brother's (or) Sister's son – Nephew

Brother's (or) Sister's daughter – Niece

BLOOD RELATIONS

Relations from one generation to next



BLOOD RELATIONS

Example 1: Pointing to a man, a lady said “his father is my mother’s uncle”.
How is the man related to the lady?

Sol: Mother’s Uncle = Grand father
Grandfather’s son = Uncle
The man is uncle to the lady.

BLOOD RELATIONS

Example 2: Pointing to a photograph of a boy Mr. Ram said, “He is the son of the only son of my mother.” How is Mr Ram related to that boy?

Sol:

The boy in the photograph is the only son of the son of Ram’s mother i.e., the son of Ram. Hence, Ram is the father of the boy.

BLOOD RELATIONS

15. If A is the brother of B, B is the sister of c, and C is the father of D, how D is related to A?

- a. Brother b. Sister c. Nephew d. Cannot be determined

BLOOD RELATIONS

16. S is mother of T, T is husband of J, N is son of J, Z is father-In-law of J, K is brother of N. How K is related to Z?

- a. Grandson b. Son c. Father d. Brother

BLOOD RELATIONS

17. B is father of Q. B has only two children. Q is the brother of R. R is the daughter of P. A is the granddaughter of P. S is the father of A. How is S related to Q?

- a. Father b. Son c. Brother d. Brother-in-law

BLOOD RELATIONS

18. All the six members of a family A, B, C, D, E and F are travelling together. B is the son of C but C is not the mother of B. A and C are a married couple. E is the brother of C. D is the daughter of A. F is the brother of B. Who is the mother of B ?

- a. F b. B c. A d. D

BLOOD RELATIONS

19. When Anup saw Sandeep, he recalled, “He is the son of the father of my daughter’s mother.” Who is Sandeep related to Anup?

- a. Brother-in-law b. Brother c. Father d. Sister

BLOOD RELATIONS

20. Looking at a picture of a boy, Sham said, “His mother is the wife of my father’s son.” If, Sham doesn’t have any Brothers and sisters. At whose picture was Sham looking?

- a. His Son b. His Uncle c. His Cousin d. None of these

BLOOD RELATIONS

21. Kindly study the following information carefully and answer the question that follows:

J is sister of T. T is married to D. D is father of R.

M is son of H. T is mother-in-law of H.

D has only one son and no daughter.

J is married to B. L is daughter of B.

How is L related to T?

- a. Niece b. Sister c. Brother d. None of these

BLOOD RELATIONS

22. Read the following information carefully and answer the question given below:

If ' $A \times B$ ' means 'A is father of B'.

If ' $A + B$ ' means 'A is wife of B'.

If ' $A \div B$ ' means 'A is daughter of B'.

If ' $A - B$ ' means 'A is son of B'.

Which of the following relations are true based upon the relations given in the equation: ' $A - B \times C + D - E$ ' ?

- a. C is mother of A
- b. D is brother of A
- c. E is mother-in-law of C
- d. None is true

BLOOD RELATIONS

23. Read the following information carefully and answer the questions which follow:

If ' $A \times B$ ' means 'A is son of B'.

If ' $A + B$ ' means 'A is father of B'.

If ' $A > B$ ' means 'A is daughter of B'.

If ' $A < B$ ' means 'A is wife of B'.

Which of the following pairs of people represent first cousins with regard to the relations given in the expressions, if it is provided that A is the sister of J:

' $L > V < J + P$ ' and ' $S \times A < D + F < E + K$ '

- a. LP
- b. SP
- c. SK
- d. SF

BLOOD RELATIONS

Directions: Study the following set of questions carefully and answer the questions given below.

A family of 10 members over three generation goes to a picnic. Kapil is the father of Bobby and has only one son. Ratna is the son-in-law of Atma and the father of Jetha. Sonu is the uncle of Champa. Charu is the aunt of Babita, who is the daughter of Daya. Daya is the daughter in law of Kapil. Atma is the mother of Charu who has two children. Each child has both of its parents alive.

24. Four of the following five are alike in the certain way and so form a group. Which is the one that does not belong to the group?

- A. Bobby B. Daya C. Charu D. None of these

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25. How many male members are there in the family?

- A. 2 B. 3 C. 4 D. Can't be determined

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26. How many married couples are there in the family?

A. 2 B. 1 C. 4 D. 3

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27. How is Jetha related to Atma?

A. Mother

B. Grandson

C. Granddaughter

D. Either b

or c

Any Doubts???