



Verbal reasoning general

Number analogy

1. Select the option that is related to the third term in the same way as the second term is related to the first term.

43: 1861 :: 54:?

1. 2894

2. **2936**

3. 2934

4. 3024

Solution: $54 \times 54 + (5 \times 4) = 2936$

Completing the analogous pair

2. Select the option that is related to the third term in the same way as the second term is related to the first term.

SAIL: VWLH :: ONGC:?

1. SJKZ

2. SJJZ

3. RJKY

4. **RJJY**

Solution:+3, -4 pattern

G.k related analogy



3. 'Hima Das' is related to 'Assam' in the same way as 'Mary Kom' is related to-

1. Arunachal Pradesh

2. Nagaland

3. Manipur

4. West Bengal

Solution: Mary Kom is native of Manipur

Choosing the analogous pair

4. Select the option in which the pair share the same relationship as that shared by the given pair.

meaningful: trivial

1. elongate : prolonged

2. happy: joy

3. enormous : minuscule

4. subtle: minuscule

Solution: Antonym of enormous is minuscule

Blood relations

5. $A + B$ means 'A is sister of B'

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

$A \times B$ means 'A is husband of B'

$A \div B$ means 'A is mother of B'

If $M + N - O \times P \div Q$ then how is M related to P?

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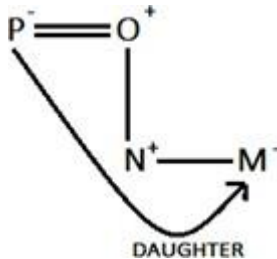
1. SON

2. DAUGHTER

3. Mother-in-law

4. Son-in-law

Solution:



Letter series

6. Select the option that can replace the question mark (?) in the following series.

DGI, WID, PKY, IMT, ?

1. BOO

2. CON

3. ROD

4. RON

Solution: -7, +2, -5, series

Number series

7. Select the option that can replace the question mark (?) in the following series.

2, 27, 16, ?, 36

1. 25

2. 35

3. 125

4. 135

Solution:

SQUARE AND CUBE SERIES ALTERNATE (2 TO 6)

Syllogisms

8. Two statements are given followed by three by conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some white are Green.

Some white are Red.

Conclusions:

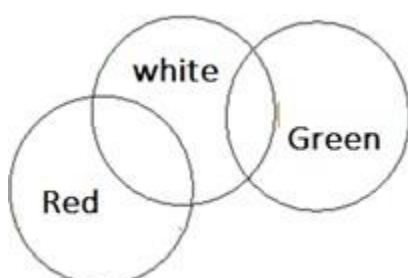
I. Some Green are Red.

II. No Red is White.

III. No Green is Red.

1. Only conclusion II follows
2. Only conclusions I and II follow.
- 3. Either conclusion I or III follow.**
4. Either conclusion I or II follow

Solution:



Either conclusion I or III follows.



Choosing the odd number pair/group

9. Four options have been given out of which three are alike in some manner, while one is different. Choose the odd one.

1. 72-17

2. 80-19

3. 116-29

4. **136-34**

Solution:

Except (D) , all are in x^2+4 form

Letter coding

10. In a certain code language, 'SUGAR' is written as 'USHRA'. How will 'SWEAT' be written as in that language?

1. WTFAT

2. **WSFTA**

3. TEAWS

4. TAFWS

Solution:

S	U	G	A	R
X		+1	X	
U	S	H	R	A

Same as SWEAT.



Letter coding

11. In a certain code language, 'NILE' is written as 'MROV'. How will 'AMAZON' be written as in that language?

1. ZNZALM

2. NANLAM

3. ZNZLAM

4. ZMZZLN

Solution: Pair of opposite letters

Choosing the odd numeral

12. Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

1. 239

2. 241

3. 257

4. 259

Solution: All are prime number except (d)

Blood relations

13. Showing a man on the stage, Rita said, "He is the brother of the daughter of the wife of my husband. How is the man on stage related to Rita?"

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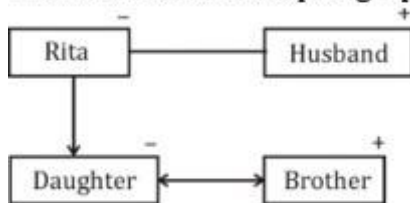


1. SON

- 2. HUSBAND
- 3. COUSIN
- 4. NEPHEW

Solution:

From the relationship of graph.



So, the person is the son of Rita.

Arithmetical reasoning (problems on ages)

14. The age of Dr. Pandey is four times the age of his son. After 10 years , the age of Dr. Pandey will be twice the age of his son . The present age of Dr. Pandey's son is

- 1. 4 years
- 2. 5 years
- 3. 6 years
- 4. 8 years

Solution:

A.T.Q-

$$\frac{4x+10}{x+10} = \frac{2}{1}$$

$$\Rightarrow x = 5 \text{ years}$$

Number coding

15.If C is coded 3 , DASH is coded as 32 , then DANCE will be coded as

- 1. 20
- 2. 25
- 3. 26

4. 27

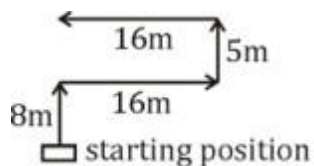
Solution: DANCE = $4 + 1 + 14 + 3 + 5 = 27$

Distance & direction

16. Sanmitra walked 8 m towards the north. He turned to his right and walked 16 m, then he turned to his left and walked 5 m and again he turned to his left and walked 16 m. In which direction is he from his starting point ?

1. South
2. East
3. North
4. West

Solution:



So, he is in North from starting point.

Syllogisms

17. Consider the given statement/s to be true and decide which of the given conclusions/assumptions can definitely be drawn from the given statement.

Statements :

- Some teacher are followers.
- Some followers are famous.

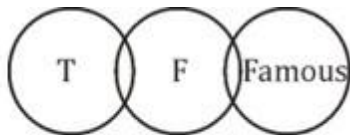
Conclusions :

- I. Some teachers are famous.
- II. Some followers are teachers.

Options:

1. Only conclusion I follows
- 2. Only conclusion II follows**
3. Both conclusion I and II follows
4. Neither conclusion I nor II follows

Solution:



1. ×
2. ✓

Choosing the odd number pair/group

18. Select the set in which numbers are related in the same way as are the number of the following set.

14, 11, 75

- 1. 19, 13, 192**
2. 16, 14, 130
3. 10, 5, 85
4. 12, 6, 98

Solution:

$$(14)^2 - (11)^2 = 75$$

$$(19)^2 - (13)^2 = 192$$

Letter coding

19. In a code language, FORD is written as DLNZ. How will RICH be written in the same language?



1. PFYC

2. PFZK

3. PGZC

4. PKZR

Solution: follow -2, -3, -4, -5 sequences.

Choosing the odd letter /group

20. Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

1. EHNK

2. QTAW

3. TWCZ

4. LOUR

Solution: All follow +3, +6, -3 sequence except (b)

Number series

21. Which number will replace the question mark (?) in the following series?

11, 15, ?, 35, 51

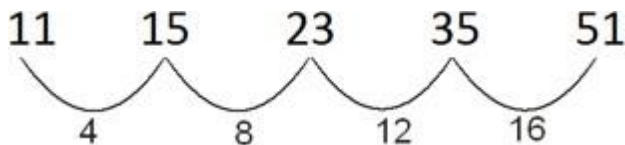
1. 19

2. 17

3. 27

4. 23

Solution:



Verbal reasoning paragraph

Input-output

(22-23) Study the following information carefully and answer the given questions.

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: 30 owl 56 raise 27 egg 23 still 20 holy 15 apple.

Step I: 20 30 owl 56 raise egg 23 still holy 15 apple 27.

Step II: holy 20 30 56 raise egg 23 still 15 apple 27 owl.

Step III: 30 holy 20 56 raise egg still 15 apple 27 owl 23.

Step IV: raise 30 holy 20 56 still 15 apple 27 owl 23 egg.

Step V: 56 raise 30 holy 20 still apple 27 owl 23 egg 15.

Step VI: still 56 raise 30 holy 20 27 owl 23 egg 15 apple.

Step VI is the last step of the above arrangement.

As per the rules followed in the steps given above, find out in each of the following questions the appropriate step for the given input.

Input: call 40 37 ice land 50 25 under ape same 33 18 38 mango 21 open.

Input-output

22. In the seventh step of the rearrangement, 'call' is related to '38' and 'open' is related to '33' in a certain way. Which of the following would 'land' be related to, following the same pattern?

1. mango
2. ice
3. same
4. 40

Solution:

The machine rearranges two numbers and two words in each step. The words and numbers are arranged alternatively in every step from both sides i.e. from right end and left end. The numbers are arranged in the manner such that the smallest even number is arranged from left to right along with greatest odd number which is arranged from right to left. The words are arranged in the manner such that the words starting with consonant is arranged from left to right in the order as they appear in the dictionary along with the words starting with vowels

Input-output

23. Which of the following represents the position of '37' in the last but one step?

1. Ninth from the left end
2. Tenth from the left end
3. Seventh from the right end
4. Both (b) and (c)

Solution:

The machine rearranges two numbers and two words in each step. The words and numbers are arranged alternatively in every step from both sides i.e. from

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right end and left end. The numbers are arranged in the manner such that the smallest even number is arranged from left to right along with greatest odd

number which is arranged from right to left. The words are arranged in the manner such that the words starting with consonant is arranged from left to right in the order as they appear in the dictionary along with the words starting with vowels which are arranged from right to left in the reverse order as they appear in the dictionary.

Input: call 40 37 ice land 50 25 under ape same 33 18 38 mango 21 open.

Step I: 18 call 40 ice land 50 25 under ape same 33 38 mango 21 open 37.

Step II: call 18 40 ice land 50 25 ape same 33 38 mango 21 open 37 under.

Step III: 38 call 18 40 ice land 50 25 ape same mango 21 open 37 under 33.

Step IV: land 38 call 18 40 ice 50 25 ape same mango 21 37 under 33 open.

Step V: 40 land 38 call 18 ice 50 ape same mango 21 37 under 33 open 25.

Step VI: mango 40 land 38 call 18 50 ape same 21 37 under 33 open 25 ice.

Step VII: 50 mango 40 land 38 call 18 ape same 37 under 33 open 25 ice 21.

Step VIII: same 50 mango 40 land 38 call 18 37 under 33 open 25 ice 21 ape.

Statements-reasons

24. Statement:

Most of pre-poll surveys show that in this election Congress-led UPA alliance will get a maximum of 100 seats. The poll forecast that the BJP would win the lion's share of the vote in many of the big states that typically decide the fate of the polls.

Which of the following is the best **reason** for the above mentioned statement?

1. The Congress ran a flawed election campaign. In contrast to the BJP's simple slogan 'Ab Ki Baar, Modi Sarkar' that resonated immediately with the public, the congress message 'Har haath shakti, Har haath Tarakki' failed to make an impact.

2. Failure of Brand Rahul. He has not displayed the requisite qualities to lead the party or connect with the electorate.

3. The Congress paid the price for the UPA government's failures. While there is no doubt that the Congress ran a confused campaign, led by an uninspiring leader, it is also true that the corruption scandals, which surfaced during the



UPA regime and the government's inability to control inflation and tackle the

economic slowdown, contributed in a large measure in discrediting the Congress.

4. While nobody in the Congress is willing to accept it officially, Sonia Gandhi's decision to take a backseat in this election in her son Rahul Gandhi's favour did immense damage to the party.

Solution:

The statement points to the predicted collapse of UPA alliance in the General Election. All the options given are the reasons but option (c) is the best reason because the whole impact is from previous works, neither from the party leaders nor from the Brand.

Non Verbal reasoning Completion

of incomplete pattern

25. Which answer figure will complete the pattern in the question figure?



1.



2.



3.



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4.



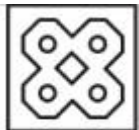
Ans-4

Paper folding

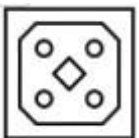
26. A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?



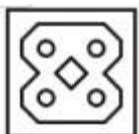
1.



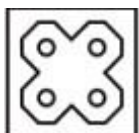
2.



3.



4.



Ans-1

Spotting out the embedded figure

27. From the given answer figures, select the one in which the question figure is hidden/embedded.



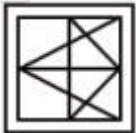
1.



2.



3.



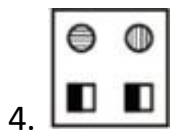
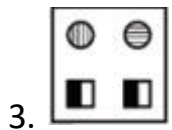
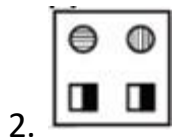
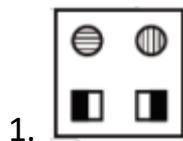
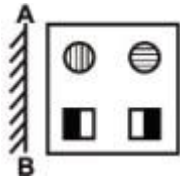
4.



Ans-4

Mirror image

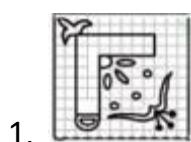
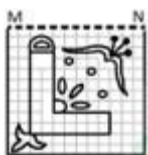
28. If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?

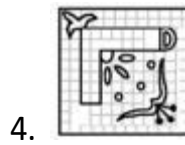
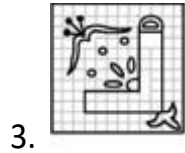


Ans-1

Mirror image

29. If a mirror is place on the line MN , then which of the answer figures is the right image of the figure ?





Ans-1