

MeritTrac Logical Reasoning



1. From a group of five friends, A is taller than B but not as tall as C, who is shorter than D. E is shorter than D but not shorter B. Who is the shortest among them?

- A. D
- B. E
- C. B
- D. A

Answer - C. B

Explanation:

Given that A is taller than B but not as tall as C, who is shorter than D.

$D > C > A > B$

E is shorter than D but not shorter B.

$D > E > B$

Therefore, B is the shortest friend.

2. In a group of 6 students P, Q, R, S, T and U each one having different height. P is taller than T but not as tall as U. Q and U are not the tallest and also R is the shortest. Who is the tallest among them?

- A. P
- B. S
- C. Q
- D. U

Answer – B. S

Explanation:

According to the given data

$S > (Q,U) > P > T > R$

Therefore, S is the tallest student.

3. If Devraj finds that it is seventeenth from the right and eighteenth from the left in a line facing north. How many persons should be added to the line such that there are 40 people in the line?

- A. 5
- B. 6
- C. 8
- D. 9

Answer – B. 6

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Explanation:

Let us assume the number of persons to add = x.

By Analyzing the given information

The order follows

$$17 + \text{Devraj} + 16 + x = 40$$

Hence, $x = 6$.

4. In a row of people, X is 12th from the left end and Y is 8th from the right end. When they exchange their position, X becomes 22th from the left end, What will be the Y's position from the right end?

- A. 16
- B. 17
- C. 18
- D. 19

Answer - C. 18

Explanation:

Number of people between both the position of X = $22 - 12 - 1 = 9$

$$Y = 8 + 9 + 1 = 18$$

Therefore, the position of Y from the Right end is 18.

5. In a class of 42 children, Ajay rank is 7th from the top. Raghava is 4 ranks below Ajay, What is Raghava rank from the bottom?

- A. 35
- B. 25
- C. 23
- D. 32

Answer - D. 32

Explanation:

R rank from the top = $7 + 4 = 11$ th

$$R \text{ rank from bottom} = 42 - 11 + 1 = 32.$$

6. If in a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that code?

- A. CPNCBX
- B. CPNCBZ
- C. CPOCBZ

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D. CQOCBZ

Answer - B. CPNCBZ

Explanation:

Simple logic, Each letter in the word is moved one step forward to obtain the corresponding letter of the code.

7. If in a code language, COULD is written as BNTKC and MARGIN are written as LZQFHM, how will MOULDING be written in that code?

- A. CHMFINTK
- B. LNKTCHMF
- C. LNTKCHMF
- D. NITKHCMF

Answer - C. LNTKCHMF

Explanation:

If we observe, Each letter in the word is moved one step backward to obtain the corresponding letter of the code.

8. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

- A. Victory
- B. Succeed
- C. Win
- D. Compete

Answer – D. Compete

Explanation:

Remaining words give the same meaning.

9. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

- A. BCDF
- B. WXYZ
- C. RSTU
- D. KJNL

Answer – C. RSTU

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Explanation:

Remaining are all contain only consonants.

10. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

- A. Mica
- B. Iron
- C. Chlorine
- D. Aluminum

Answer - A. Mica

Explanation:

Mica is not an element.

11. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

- A. FTP
- B. HTML
- C. HTTP
- D. TCP

Answer - B. HTML

Explanation:

HTML – language, rest of them are protocols.

12. Belgium: Brussels:: Belarus:?

- A. Minsk
- B. Havana
- C. Nicosia
- D. Banjul

Answer – A. Minsk

Explanation:

Brussels is the capital of Belgium
Similarly, Minsk is the capital of Belarus.

13. Botany: Plants:: Cardiology:?

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- A. Lungs
- B. Kidney
- C. Heart
- D. Liver

Answer – C. Heart

Explanation:

Botany is the study of plants

In the same way, Cardiology is the study of the heart.

14. Carbon dioxide: Extinguish:: Oxygen:?

- A. Isolate
- B. Foam
- C. Explode
- D. Burn

Answer – D. Burn

Explanation:

Oxygen supports Burning as well as Carbon dioxide helps in extinguishing.