
$\rightarrow$ Analogy is a comparison between one thing and another, typically for the purpose of explanation or clarification.

- A thing which is comparable to something else in significant respects.
- A process of arguing from similarity in known respects to similarity in other respects.
- A process by which new words and inflections are created on the basis of regularities in the form of existing ones.
- Analogy is a literary technique in which two unrelated objects are compared for their shared qualities.

Ex: Photosynthesis does for plants what digesting food does for animals.

- Importance of Analogy
$\rightarrow \quad$ Make abstract ideas mark concrete
These are some people - like teachers, professors, and technical writers - who explain difficult ideas for a living. It is a tough job. One way to make it easier is to draw analogies to things your readers or students are already families with. For ex: a biology teacher might explain the immune system by saying, 'what policeman do in a town, white blood cells do inside the body.
Types of Analogy
(i) Number Analogy
(ii) Letter Analogy
(iii) Word Analogy
e.g.

1. In the following question, select the related letter from the given alternatives.

EB: YD :: AD: ?
A. DP
B. AH
C. AP
D. $X R$

Ans: C
Solution:
E is $5^{\text {th }}$ alphabet in English, $5^{2}=25^{\text {th }}$ alphabet is Y
$B$ is $2^{\text {nd }}$ alphabet in English, $2^{2}=4^{\text {th }}$ alphabet is $D$
Same way,
A is $1^{\text {st }}$ alphabet in English, $1^{2}=1^{\text {st }}$ alphabet is $A$
D is $4^{\text {th }}$ alphabet in English, $4^{2}=16^{\text {th }}$ alphabet is $P$
So, correct answer is AP
2. In the following question, select the related letters from the given alternatives.

JHOF: MMXW:: KPLB : ?
A. JKOW
B. NUUS
C. YEWN
D. POSK

Ans: B
Solution:
JHOF = $\quad$ MMXW
J => 2 alphabets skipped forward, $M$ comes
H => 4 alphabets skipped forward, M comes
$\mathrm{O}=>8$ alphabets skipped forward, X comes
F => 16 alphabets skipped forward, W comes

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Same way,
KPLB=>
K => 2 alphabets skipped forward, N comes
P => 4 alphabets skipped forward, U comes
L => 8 alphabets skipped forward, U comes
B => 16 alphabets skipped forward, S comes
Thus, KPLB=>NUUS
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3. In the following question, select the related word from the given alternatives. Soap: cleaning :: chair: ?
A. Fiber
B. Wood
C. Sitting
D. Both A \& B

Ans: C
Solution:
Soap is used for cleaning something. Chair is used for getting seated. Hence, option C is the correct response.
4. In the following question, select the related word from the given alternatives. Water :aquagaurd :: cloth : ?
A. Washing Machine
B. Detergent
C. Pot
D. Almirah

Ans: A
Solution:
Water is cleaned by Aquaguard machine. In the same way cloth is cleaned in washing machine.
5. In the following question, select the related word from the given alternatives. Lock: key :: TV : ?
A. Picture
B.TV Desk
C. Remote Control
D. Signal

## Ans: C

Solution:
To operate a lock, key is always necessary. Similarly, to operate TV, remote control is always necessary.
Hence, option C is the correct response.

## Number Analogy

## Typical relationships between the numbers

- One number is a multiple of other.
- One number is the square root of the other.
- One number is the cube or cube root of the other.
- The two numbers can be consecutive, even, odd or prime numbers.
- In letter analogy, the relationship is between 2 groups of letters on each side of the sign:
- In word analogy, there is a certain relationship between the 2 given words on one side of '::' and one word is given on the other side.

It can be understand by following examples-

1. In the following question, select the related number from the given alternatives. 64: 2 :: ?: 3
A. 216
B. 200
C. 168
D. 98

Ans: A
Solution:
64, cube root of 64 is $4=>$ half of 4 is $2=>4 / 2=2$
216 , cube root of 216 is $6=>$ half of 6 is $3=>6 / 2=3$
Hence, option A is the correct response.
2. In the following question, select the related number from the given alternatives. 59: 45 :: 63:?
A. 19
B. 28
C. 56
D. 18

Ans: D
Solution:
$59=>5 \times 9=45$
$63=>6 \times 3=18$
Hence, option D is the correct response.
3. In the following question, select the related number from the given alternatives. 247: 42 :: 619 :?
A. 54
B. 63
C. 70
D. 48

Ans: B
Solution:

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247=>(2+4) \times 7=42
$$

$619=>(6+1) \times 9=63$
Hence, option B is the correct response.
4. In the following question, select the related number from the given alternatives. 628: 96 :: 374: ?
A. 16
B. 84
C. 51
D. 28

Ans: B
Solution:
$6 \times 2 \times 8=96$
$3 \times 7 \times 4=84$
Hence, option B is the correct response.

