

# REASONING ABILITY

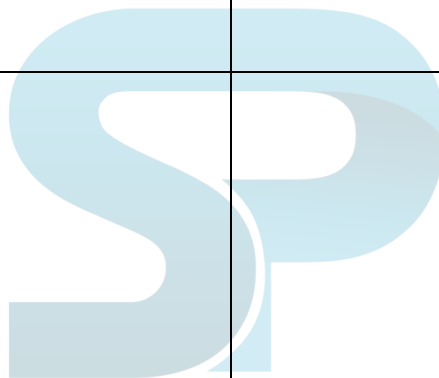
## Analogy



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## Reasoning Ability - Analogy

1. **Garbage: House: Gangue:?**

- A. Factory
- B. Office
- C. Drugs
- D. Ore

Answer: D

Explanation:

Garbage - is the waste of House.

Gangue - impurities in the Ore.

2. **Which of the following pairs of words have the same relationship as FAN: HEAT?**

- A. Water : Drink
- B. Light : Night
- C. Air : Breathe
- D. Food : Hunger

Answer: D

Explanation:

When it is hot, fan circulates air to keep us cool.

Similarly, we eat food to satiate our hunger.



3. **Paleontology: Fossil: Phrenology:?**

- A. A Lungs
- B. B Lungs
- C. C Skull
- D. D Pancreas

Answer: C

Explanation:

Paleontology: the study of fossils to determine the structure and evolution of extinct

Phrenology: the study of the structure of the skull.



#### 4. Demographer: People: Philatelist:?

- A. A Fossils
- B. B Stamps
- C. C Photography
- D. D Music

Answer: B

Explanation:

As a demographer collects information about people, a philatelist collects stamps.

#### 5. Sepal: Flower::

- A. Foot : Ball
- B. Tire : Bicycle
- C. Puppy : Dog
- D. Sandals : Shoes

Answer: B

Explanation:

As sepals typically function as protection for the flower in bud, a tyre protects bicycle.

#### 6. 8:39:: 72:?

- A. 64
- B. 312
- C. 351
- D. 300

Answer: C

Explanation:

The antecedent; 8 is first getting multiplied by 5 and then it is getting subtracted by 1 as 8 is the first multiple of 8. ( $8 = 8 \times 1$ )

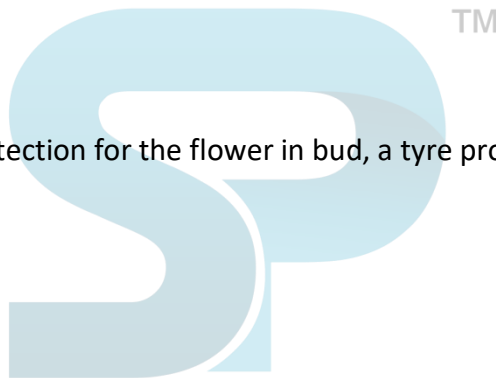
$$\Rightarrow 8 \times 5 - 1 = 39$$

Similarly,

We'll first multiply 72 by 5 and then subtract 9 from it as 72 is the 9th multiple of 8. ( $72 = 8 \times 9$ )

$$\Rightarrow 72 \times 5 - 9 = 351.$$

Hence, option C is correct.





7. 123: 4:: 726:?

- A. A 23
- B. B 26
- C. C 14
- D. D 12

Answer: D

Explanation:

$$123 \Rightarrow \frac{12}{3} = 4$$

Similarly,

$$726 \Rightarrow \frac{72}{6} = 12$$

In this question, first two digits of the given number are divided by the third one.

8. 09:81:: 04:?

- A. 16
- B. 25
- C. 36
- D. 49

Answer: A

Explanation:

$$9 \Rightarrow 9^2 = 81$$

Similarly,

$$4 \Rightarrow 4^2 = 16$$

9. 8 \* 3:4:: 6 \* 5: ?

- A. 6
- B. 5
- C. 0
- D. 4

Answer: C

Explanation:

$$8 - 3 = 5; 5 - 1 = 4$$

Similarly;





$$6 - 5 = 1; 1 - 1 = 0$$

Alternatively,

$$8 \times 3 = 24: \text{Its unit's digit is 4.}$$

$$6 \times 5 = 30: \text{Its unit's digit is 0.}$$

**10. 25:175:: 32:?**

- A. 150
- B. 170
- C. 162
- D. 160

**Answer:** D

**Explanation:**

$$25 \Rightarrow 25 \times (2 + 5) = 175$$

Similarly,

$$32 \Rightarrow 32 \times (3 + 2) = 160$$

Hence, option D is correct.

**11. MAD: JXA: RUN:?**

- A. OSQ
- B. PRJ
- C. UXQ
- D. ORK

**Answer:** D

**Explanation:**

M	A	D
↓	↓	↓
-3	-3	-3
↓	↓	↓
J	X	A

Similarly,





R	U	N
↓	↓	↓
-3	-3	-3
↓	↓	↓
O	R	K

Hence, option D is correct.

**12. BJCI: JBIC:: CXDW:?**

- A. JCDU
- B. BCJU
- C. EVFU
- D. XCWD

Answer: D

Explanation:

1st and 2nd or 3rd and 4th letter having interchange.

Similarly,

CXDW: XCWD

Hence, option D is correct.



**13. SHI: RIJ:: QJK:?**

- A. TDE
- B. PKL
- C. UGH
- D. VPQ

Answer: B

Explanation:

S	H	I
↓	↓	↓
-1	+1	+1
↓	↓	↓
R	I	J,



Q     J     K  
↓     ↓     ↓  
-1    +1    +1  
↓     ↓     ↓  
P     K     L

**14. HCM: FAK:: SGD:?**

- A. ESQ
- B. GES
- C. QEB
- D. QIB

Answer: C

Explanation:

H     C     M  
↓     ↓     ↓  
-2    -2    -2  
↓     ↓     ↓  
F     A     K

Similarly,

S     G     D  
↓     ↓     ↓  
-2    -2    -2  
↓     ↓     ↓  
Q     E     B

Hence, option C is correct.

**15. BFG: EIJ:: RVW:?**

- A. A UWY
- B. B UYZ
- C. C SWX
- D. D QUV







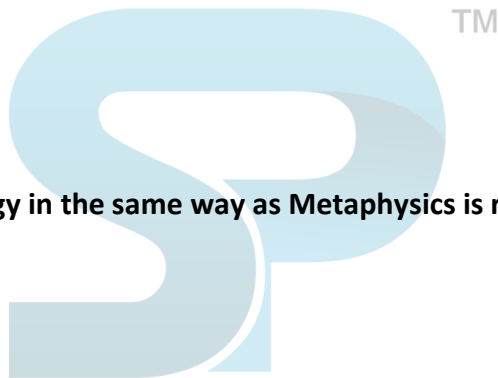
Answer: B

Explanation:

B	F	G
↓	↓	↓
+3	+3	+3
↓	↓	↓
E	I	J

Similarly,

R	V	W
↓	↓	↓
+3	+3	+3
↓	↓	↓
U	Y	Z



16. Physiology is related to Biology in the same way as Metaphysics is related to.....

- A. Physics
- B. Statistics
- C. Mathematics
- D. Philosophy

Answer: D

Explanation:

Physiology is a branch of Biology. Similarly, Metaphysics is a branch of Philosophy.

17. Annotate is related to Text in the same way as Caption is related to.....

- A. A Novel
- B. B Law
- C. C Film
- D. D Photograph

Answer:

Explanation: D

First is a comment on the second.



**18. Distil is related to Whiskey in the same way as Brew is related to.....**

- A. A Ferment
- B. B Gin
- C. C Beer
- D. D Sugar

**Answer:** C

**Explanation:**

First is a process of preparing the second.

**19. Flower is related to Petal in the same way as Book is related to.....**

- A. Page
- B. Content
- C. Author
- D. Library

**Answer:** A

**Explanation:**

Number of petals constitutes a flower. Similarly, number of pages constitutes a book.

**20. Roentgen is related to X-rays in the same way as Becquerel is related to.....**

- A. Uranium
- B. Radioactivity
- C. Fission
- D. Superconductivity

**Answer:** B

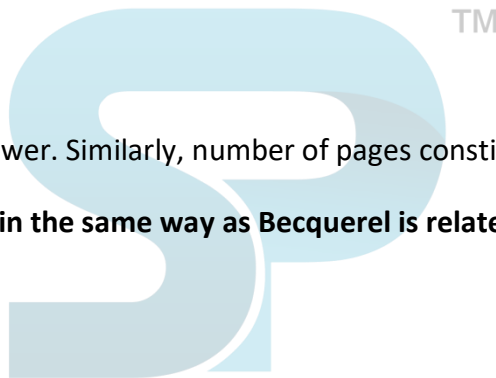
**Explanation:**

Roentgen discovered X-rays. Similarly, Becquerel discovered radioactivity.

**21. South: North-west:: West:?**

- A. South-west
- B. North-east
- C. East
- D. South

**Answer:** B





**Explanation:**

The direction indicated by the second word in each pair lies 135° clockwise to that indicated by the first word.

**22. Tectonics: Building:: Taxidermy:?**

- A. Classification
- B. Conserving
- C. Stuffing
- D. Collecting

**Answer:** C

**Explanation:**

Tectonics is the science dealing with the art of building. Similarly, taxidermy is the art of stuffing animals.

**23. Dawn: Dusk:: Inauguration:?**

- A. Invitation
- B. Valediction
- C. Repetition
- D. Organization



**Answer:** B

**Explanation:**

One is followed by other.

**24. Pongee: Silk:: Shallot:?**

- A. A Boat
- B. B Building
- C. C Ship
- D. D Stream

**Answer:** C

**Explanation:**

First is a type of the second.

**25. Painting: Artist::Symphony:?**

- A. Novelist
- B. Poet
- C. Essayist



D. Composer

Answer: D

Explanation:

First is prepared by the second.

**26. Fire: Extinguish:: Thirst: ?**

- A. Quench
- B. Sate
- C. Mitigate
- D. Drink

Answer: D

Explanation:

Second is the name given to the act of doing away with the first.

**27. Time: Waste:: Money:?**

- A. Spend
- B. Earn
- C. Lose
- D. Squander

Answer: D

Explanation:

Second is the name given to the art of wasting the first.



**28. Equine: Horse:: Vulpine:?**

- A. Dog
- B. Cat
- C. Wolf
- D. Eagle

Answer: C

Explanation:

Equine is horse like and vulpine is wolf like.

**29. Interview: Job:: Armistice:?**

- A. War
- B. Treaty



- C. Amnesty
- D. Agreement

Answer: B

Explanation:

First is followed by the second.

**30. Cardiology: Heart:: Zoology: ?**

- A. Insects
- B. Animals
- C. Plants
- D. Germs

Answer: B

Explanation:

Cardiology is the branch of science which deals with the study of heart. Similarly, zoology is the branch of science which deals with the study of animals.

**31. January: November:: Sunday:?**

- A. Monday
- B. Tuesday
- C. Friday
- D. Saturday

Answer: C

Explanation:

November and January are alternate months of the year, in order. Similarly, Friday and Sunday are alternate days of the week, in order.

**32. Connoisseur: Art:: Gourmet:?**

- A. Food
- B. Money
- C. Drink
- D. Flesh

Answer: A

Explanation:

First has a good taste for the second.



**33. Cup: Saucer:: Knife:?**

- A. Kitchen
- B. Tray
- C. Fork
- D. Vegetable

**Answer:** C

**Explanation:**

The items in each pair generally go together.

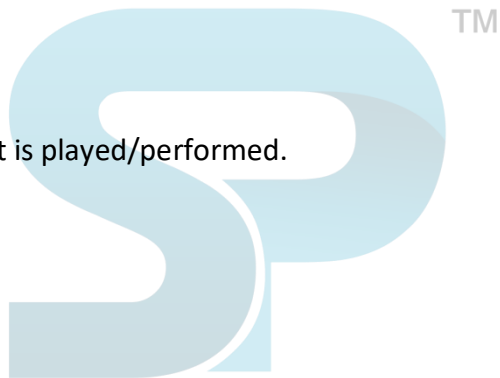
**34. Cricket: Pitch:: Skating: ?**

- A. Arena
- B. Course
- C. Court
- D. Rink

**Answer:** D

**Explanation:**

Second is the place where the first is played/performed.



**35. Horse:Gallop:: Duck:?**

- A. Strut
- B. Waddle
- C. Prowl
- D. Trot

**Answer:** B

**Explanation:**

Second is the movement of the first.

**36. Ornithologist: Birds::Anthropologist:?**

- A. Plants
- B. Animals
- C. Mankind
- D. Environment

**Answer:** C

**Explanation:**



Ornithologist specializes in the study of birds. Similarly, anthropologist specializes in the study of mankind.

**37. Perch: Fresh water::?: Salt water**

- A. Crocodile
- B. Frog
- C. Cod
- D. Snake

Answer: C

Explanation:

A perch is fresh water fish. Similarly, a cod is a salt water fish.

**38. Insert:Extract::Mighty: ?**

- A. Thin
- B. Strong
- C. Frail
- D. Feeble

Answer: D

Explanation:

The words in each pair are antonyms of each other.

**39. Crow:Carrion::Leech:?**

- A. Bugs
- B. Blood
- C. Meat
- D. Bones

Answer: B

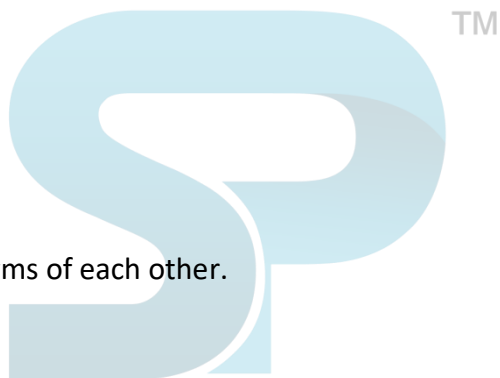
Explanation:

First feeds on the second.

**40. Heart:Pericardium::Brain:?**

- A. Bones
- B. Head
- C. Skull
- D. Cranium

Answer: D





**Explanation:**

Second is a bony protective covering of the first.

**41. 7: 48:: 12::?**

- A. 143
- B. 84
- C. 121
- D. 112

**Answer:** A

**Explanation:**

$$7 \Rightarrow 7 \times 7 = 49 - 1 = 48$$

Similarly,

$$12 \Rightarrow 12 \times 12 = 144 - 1 = 143$$

**42. 7: 36:: 26:?**

- A. 625
- B. 64
- C. 125
- D. 325

**Answer:** A

**Explanation:**

$$7 - 1 = 6 \Rightarrow 6^2 = 36$$

Similarly,

$$26 - 1 = 25 \Rightarrow 25^2 = 625$$

In this question 1 is subtracting from the number and then make square of number.

**43. 9: 81:: 12:?**

- A. 124
- B. 104
- C. 134
- D. 144

**Answer:** D

**Explanation:**







$$9 \Rightarrow 9^2 = 81$$

Similarly,

$$12 \Rightarrow 12^2 = 144$$

**44. 35:4:: 39:?**

- A. 6
- B. 28
- C. 14
- D. 20

Answer: D

Explanation:

$$35 = 7 \times 5$$

↓ (Subtracting the factor of 35)

$$7 - 5 = 2 \Rightarrow 2 \times 2 = 4 \quad (\text{Subtracted value multiplied by 2})$$

Similarly,

$$39 = 13 \times 3$$

↓ (Subtracting the factor of 39)

$$13 - 3 = 10 \Rightarrow 10 \times 2 = 20 \quad (\text{Subtracted value multiplied by 2})$$

**45. 1, 2, 4, 7: 3, 4, 6, 9::? : 2, 3, 5, 8**

- A. 0, 1, 3, 6
- B. 2, 4, 5, 8
- C. 1, 3, 4, 7
- D. 3, 5, 6, 8

Answer: A

Explanation:

1	2	4	7
↓	↓	↓	↓
+2	+2	+2	+2
↓	↓	↓	↓
3	4	6	9



Similarly,

0	1	3	6
↓	↓	↓	↓
+2	+2	+2	+2
↓	↓	↓	↓
2	3	5	8

**46. 12: 72:: 8:?**

- A. 0
- B. 32
- C. 36
- D. 38

**Answer:** B

**Explanation:**

$$12: 72 \Rightarrow 12: 72$$

$$12 / 2 = 6 \mid 12 \times 6 = 72$$

Similarly,

$$8: ? \Rightarrow 8: 32$$

$$8 / 2 = 4 \mid 8 \times 4 = 32$$

**47. 6: 42:: 7:?**

- A. 56
- B. 40
- C. 52
- D. 43

**Answer:** A

**Explanation:**

$$6: 42 \Rightarrow 6: 42$$

$$(6 \times 7)$$

Similarly,

$$7: ? \Rightarrow 7: 56$$





$$(7 \times 8)$$

48. 16:22:: 36:?

- A. 44
- B. 26
- C. 24
- D. 46

Answer: D

Explanation:

We marked the option D as the correct answer though option A is also deduced through a different reasoning. Both explanations are given below

1st solution:  $4 \times 4 = 16$ ;  $5 \times 5 - 3 = 22$ ::  $6 \times 6 = 36$  ;  $7 \times 7 - 3 = 46$ .

2nd solution:  $4 \times 4 = 16$ ;  $4 \times 5 + 2 = 22$ ::  $6 \times 6 = 36$ ;  $6 \times 7 + 2 = 44$ .

49.  $\frac{2}{3} : \frac{19}{29} :: \frac{8}{7} : ?$

- A.  $\frac{89}{79}$
- B.  $\frac{79}{79}$
- C.  $\frac{79}{69}$
- D.  $\frac{80}{70}$



Answer: C

Explanation:

$$\frac{2}{3} : \frac{19}{29} :: \frac{8}{7} : \frac{79}{69}$$

$\begin{matrix} \xrightarrow{-1} \\ \downarrow \\ \xrightarrow{-1} \end{matrix}$ 
 $\begin{matrix} \xrightarrow{-1} \\ \downarrow \\ \xrightarrow{-1} \end{matrix}$

Consequent part is being generated by subtracting 1 from the numerator and denominator and by placing 9 beside the resultant.



50. Giant: Dwarf:: Genius : ?

- A. Gentle
- B. Tiny
- C. Wicked
- D. Idiot

Answer: D

Explanation:

Giant is antonym of Dwarf. Similarly, Genius is antonym of Idiot.

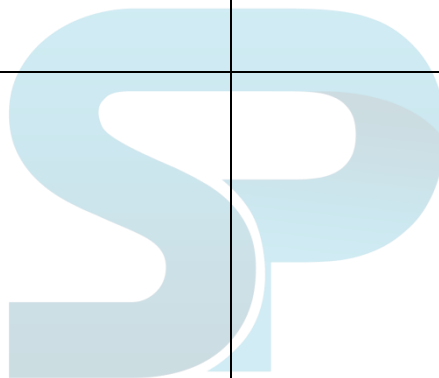




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