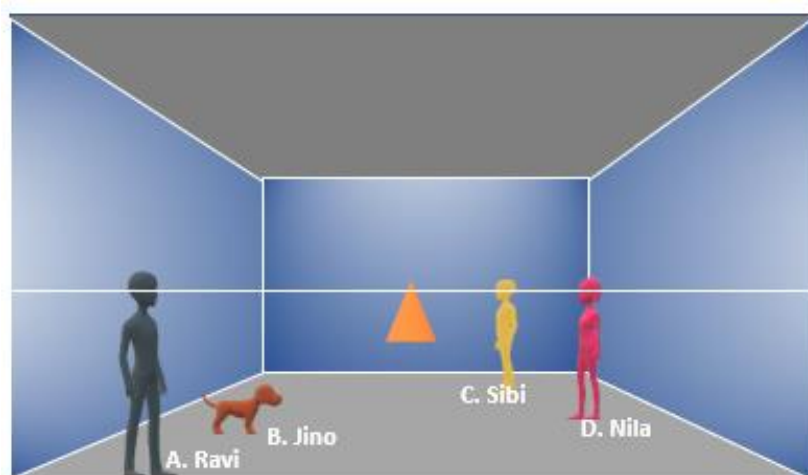


VISUAL REASONING	LOGICAL DERIVATION	NUMERICAL ABILITY
	GENERAL KNOWLEDGE, ARCHITECTURE & DESIGN	
DESIGN THINKING	LANGUAGE INTERPRETATION	DESIGN SENSITIVITY

Ravi, Jino, Sibi and Nila went to a science exhibition. And they were surprised to see a floating conical object. Identify who among them views the conical object as given below.

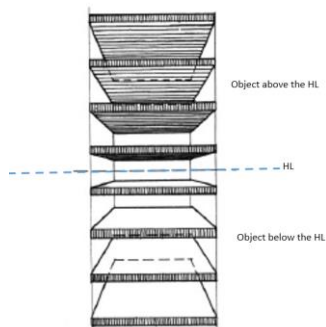


Source: CAAD - DRL

A. Ravi	C. Sibi
B. Jino	D. Nila

Answer key:

B. Jino



Theory:

ONE POINT PERSPECTIVE:

One point perspective (frontal or central perspective) has only one vanishing point on the horizon line located somewhere within the picture plane and all the orthogonal converge towards it.

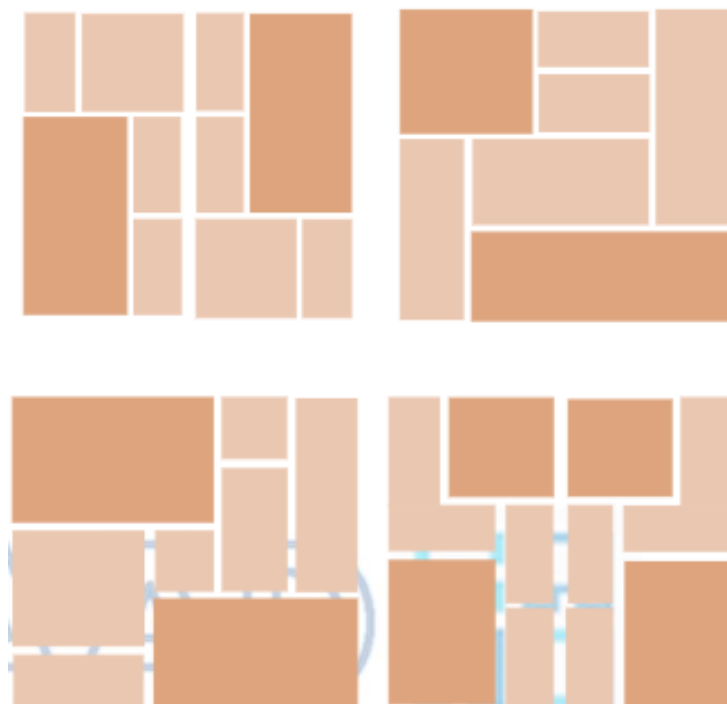
Suggested Reading: Basics of One point Perspective

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Identify the composition which represents the principle of axis.



Source: CAAD - DRL

A. Options B&C

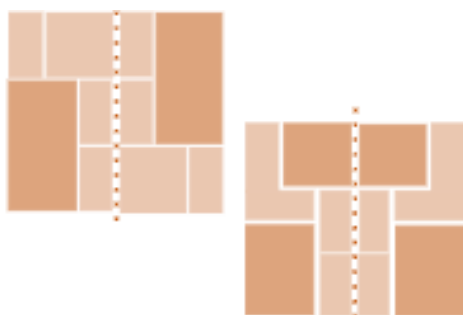
C. Options A&D

B. Options B&D

D. Options A&C

Answer key:

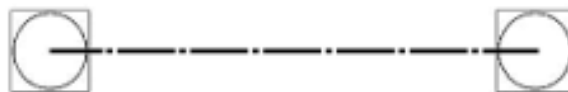
C. A & D



Theory:

AXIS

A Line established by two point in space about which form and spaces can be arranged in symmetrical and balanced manner



Suggested Reading: Principles of design

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The average age of a man and his son is 40 years. The ratio of their ages is 11:5 respectively. What is the son's age?

A. 25

B. 65

C.35

D. 50

Answer key:

A. 25

Theory:

Let the ages of the man be $11x$ years.

Age of his son be $5x$ years.

Then, average age = $(11x + 5x)/2$
= $8x$ years.

$$8x = 40$$

$$x = 5.$$

Hence, son's age = $5x$
= 5×5
= 25 years.

Suggested Reading: Basic Algebra

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A number is as much greater than 36 as is less than 86. Find the number.

A. 71

B. 61

C. 66

D. 51

Answer key:

B. 61

Theory:

Let the number be x .

Then, $x - 36 = 86 - x$

$\Rightarrow 2x = 86 + 36$

$\Rightarrow 2x = 122$

$\Rightarrow x = 61$.

Hence, the required number is 61.

Suggested Reading: Basic Algebra

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08. Assertion A: Cavity wall gives better thermal insulation than any other solid wall \

Reason R: The space provided between two leaves of cavity walls is full of air.

- Both A and R are true and R is the correct explanation of A
- Both A and R are true but R is not the correct explanation of A
- A is true but R is false
- A is false but R is true

A. Option - 1

B. Option - 2

C. Option - 3

D. Option - 4

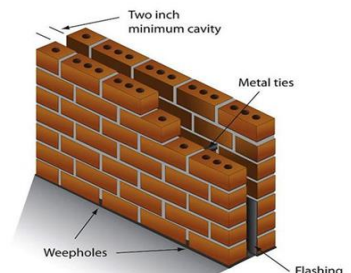
Answer key:

A. Option - 1

Theory:

Cavity wall or hollow wall consists of two separate walls, called leaves or skins, with a cavity or gap in-between

A. The two leaves of the cavity wall may be of equal thickness if it a non-load-bearing wall or the internal leaf may be thicker than the external leaf, to meet the structural requirements.



Suggested Reading: Basics of building construction/Components

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Which Architect designed this Heydar Aliyev Center building. She was the first woman to receive the Pritzker Architecture Prize, in 2004.



A. Jane Jacobs

C. Julia Morgan

B. Zaha hadid

D. Denise scott brown

Answer key:

Theory:

Born in Baghdad and trained in London, legendary architect Zaha Hadid made an indelible mark on 21st-century architecture. Following the Postmodern architectural boom led by Frank Gehry, Hadid was one of a group of innovative architects who helped usher in a new age of architecture with a cross-pollination of technological and artistic influences.

B. Zaha Hadid

Suggested Reading: History of Architecture

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What role does experimentation play in fostering creativity in architectural design?

- A. By disregarding historical precedents and theoretical frameworks
- B. By providing insights into architectural traditions, movements, and philosophies .
- C. By limiting design possibilities .
- D. By excluding interdisciplinary exchange and collaboration

Answer key:

- B. By providing insights into architectural traditions, movements, and philosophies .

Theory:

Experimentation in architectural design involves exploring new ideas, materials, technologies, and design strategies through trial and error, fostering creativity, innovation, and discovery in the design process.

Suggested Reading: Design Thinking

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Select the appropriate word in each sentence below. The answer is the set of options in all the four sentences

1. Celebrity has become an incurable condition, without **remission (A)/omission (B)**.
2. Fame is a treadmill, and having your own gym does not seem to make the legwork **any (A)/far (B)** easier.
3. When Gore Vidal said of Truman Capote that his death was a good career move, it was mere waspish provocation, **so (A)/but (B)** the same assertion could be made without irony about Jean Harlow, James Dean and Marilyn Monroe.
4. The flesh-and-blood person is surplus to requirements once an icon has been created, **and (A)/but (B)** often becomes an active embarrassment.

A. AABB

C. AABA

B. ABAB

D. BAAB

Answer key:

Theory:

Option C:

Sentence 1: The correct word choice here is remission implying relaxation or release. The word omission does not fit in the above sentence.

Sentence 2: The word that fits in this sentence is 'any'. Having your own gym does not make the legwork any easier.

Sentence 3- The correct word choice here is 'but', as we are told that the assertion could be made "without irony? about the others.

Sentence 4- The correct choice here is 'and'. The flesh-and-blood-person becomes surplus to requirements (i.e., superfluous) once an icon has been created. The flesh-and-blood person, in fact, often becomes an active embarrassment. The correct conjunction for the sentence is 'and'.

C. AABA

Suggested Reading: Appropriate words in sentence formation, Grammar.

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A part of the sentence below contains a mistake. Choose the option which has the incorrect part of the sentence.

- (a) It is difficult
- (b) for anyone
- (c) to ran on a slippery surface
- (d) no error

A. a

C. c

B. b

D. d

Answer key:

Theory:

Option C

'Ran' should be replaced with 'run', as 'to' is followed by the first form of a verb, e.g., it is difficult for anyone to run on a slippery surface.

C. c

Suggested Reading: Appropriate word usage –Spotting errors

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In the options given below Suman is watching the sunrise. What would be the most appropriate rendering of this scene?



A. A

B. B

C. C

D. D

Answer key:

C. C

Theory:

Option C:

The sunrise places the source of light at the horizon and so the light that is passing through the window and half closed blinds will fall on Suman. The option A shows light on Suman without the shadow of the blinds. So it is not correct. Option B is darker than it should be and places the source of light higher than the horizon.

Option B shows more lighting that does not match the window and also the shadow of the blinds are not seen.

Hence Option C is correct.

Suggested Reading: Light and shadow.

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