



## SMART CHALLENGERS

### SMART CHALLENGERS QUESTIONS – FEBRUARY 2026.

1. What is the effect of juxtaposition in literature?

A	To create rhythm through repetition
B	To describe settings in detail
C	To place contrasting ideas side-by-side for emphasis
D	To narrate events chronologically

2. Which technique would be most effective for creating tension in a narrative?

A	Using long, detailed descriptions
B	Short, sharp sentences and cliff hangers
C	Lots of dialogue between characters
D	Including background information

3. When analysing the presentation of a theme, you should:

A	Mention the theme once and move on
B	Track how it develops through language, structure and form
C	Only discuss it in the introduction
D	Avoid using quotations

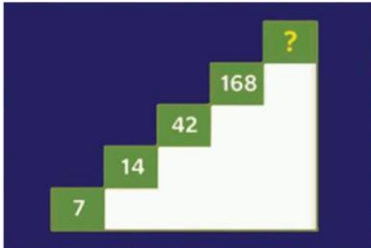
4. What is the rhyming scheme of these lines?

“The sun sets in the western sky,  
As birds returned to the trees up high,  
The day is done, the night draws near,

And stars begin to reappear.”	
A	ABAB
B	AABB
C	ABCD
D	ABCB
5. Identify the technique in: “The Corporation is watching. The Corporation knows all. The Corporation decides.”	
A	Anaphora (repetition at the beginning)
B	Epistrophe (repetition at the end)
C	Asyndeton (omission of conjunctions)
D	Polysyndeton (excessive conjunctions)
6. What is dramatic irony?	
A	When a character says something funny
B	When the audience knows something the characters don't
C	When the opposite of what’s expected happens
D	When a character is sarcastic
7. What is enjambment?	
A	When a sentence or phrase runs over from one line to the next
B	When lines end with punctuation
C	A rhyming pattern
D	A type of stanza
8. Last weekend, Amit went to an exhibition near his house. He rode his new bicycle gifted by his mother for winning the Maths puzzle competition. After reaching the exhibition, Amit saw that there were 14 tricycles and bicycles in total. If there were a total of 38 wheels, how many tricycles were there in the EXHIBITION?	
A	10

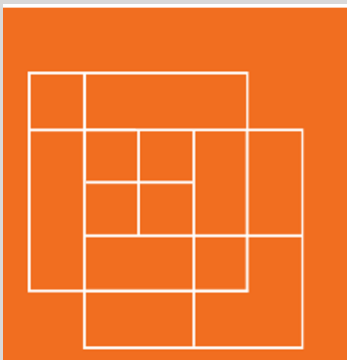
B	5
C	8
D	6

9. Guess the missing number



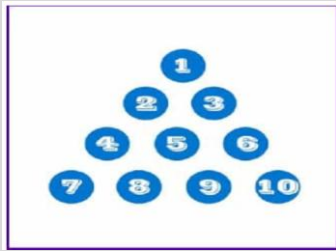
A	960
B	840
C	336
D	672

10. Can you find how many squares you see in the picture?



A	6
B	16
C	17
D	20

11. You need to move only three circles and turn the image down! What are these



circles?

A	1, 2, 3
B	1, 3 and 5
C	4, 3, 7
D	1, 7 and 10

12. If 3 boys can eat 3 burgers in 3 minutes. How many burgers will 10 boys eat in 10 minutes?

A	100
B	20
C	40
D	30

13. A wizard was on the way to his house and a few drops from his magic potion fell on to a plant. Now, the plant will double its size every day. It is growing in a circular pond with a circumference of 600 meters. The plant-covered half the pond in 28 days, how many days would it take to cover the full pond?

A	56
B	50
C	29
D	60

16. An enzyme-catalyzed reaction works best at 37 °C. The rate of reaction decreases sharply above this temperature. Which of the following best explains why?

A	The enzyme molecules move faster at higher temperatures.
---	--

B	The substrate concentration decreases above 37 °C.
C	The enzyme's active site changes shape and can no longer bind to the substrate.
D	The reaction becomes endothermic at higher temperatures.

17. A resistor and a lamp are connected in series to a 12 V battery. The resistance of the resistor is 4  $\Omega$  and the lamp has a resistance of 8  $\Omega$ . If the lamp is replaced with another lamp of higher resistance, what will happen to the current and brightness of the lamp?

A	Current increases and lamp becomes brighter
B	Current decreases and lamp becomes dimmer
C	Current remains the same and lamp brightness remains the same.
D	Current decreases but the lamp becomes brighter.

18. The government increases the tax on sugary drinks to reduce their consumption. As a result, the price of sugary drinks rises.

Which factor will **most strongly determine** how effective this tax is in reducing the quantity demanded?

A	The income level of consumers
B	The price elasticity of demand for sugary drinks
C	The cost of production of sugary drinks
D	The number of firms producing sugary drinks

19. A factory has **high fixed costs** and **very low variable costs per unit**.

**Why might increasing production reduce the cost per unit but still be risky for the business?**

A	Because producing more units always guarantees higher total profit
B	Because fixed costs increase with every extra unit produced

C	Because if demand is insufficient, unsold units lead to losses despite lower unit costs
D	Because variable cost per unit increases when production rises

20. Who were CORE?	
A	CORE were the Committee on Racial Equality
B	CORE were the Congress on Racial Equality
C	CORE were the Council on Racial Equality
D	CORE were Commoners on Racial Equality

21. Which protocol is primarily used for secure communication over an unsecured network?	
A	HTTP
B	FTP
C	SSH
D	SMTP