

Number Series

સંખ્યા શ્રેણી

PART-03

Pattern :- $\textcircled{X}$ या $\textcircled{X,+}$ या $\textcircled{X,-}$
 जब Series कम होकर ज्यादा होती है
 $1^{\text{st}} \rightarrow 2^{\text{nd}} \rightarrow 3^{\text{rd}} \rightarrow 4^{\text{th}} \dots$



$$4 \times \textcircled{\frac{1}{2}} = 2$$

$$2 \times \textcircled{1} = 2$$

$$2 \times \textcircled{1.5} = 3$$

$$3 \times \textcircled{2} = 6$$

$$6 \times 2.5 = 15$$

$$15 \times 3 = \textcircled{45} \text{ Answer.}$$



कम होकर $\rightarrow$ ज्यादा

1 $\rightarrow$ 2 $\rightarrow$ 3 $\rightarrow$ 4

(X), (X, +), (X, -)

$$100 \times \frac{1}{2} + \underline{10} = 60$$

$$60 \times \underline{1} + \underline{20} = 80$$

$$80 \times \underline{1.5} + \underline{30} = 150$$

$$150 \times \underline{2} + \underline{40} = \underline{340}$$



$$14 \times \frac{1}{2} - 1 = 6$$

$$6 \times 1 - 1 = 5$$

$$5 \times 1.5 - 1 = 6.5$$

$$6.5 \times 2 - 1 = \textcircled{12} \text{ Answer}$$

Q. $400, -200, 100, ?, 25, -12.5$

$\Rightarrow$ कम हो रही हैं।

$\div, -$

$$400 \times \left(-\frac{1}{2}\right) = -200$$

$$-200 \times \left(-\frac{1}{2}\right) = 100$$

$$100 \times \left(-\frac{1}{2}\right) = -50$$

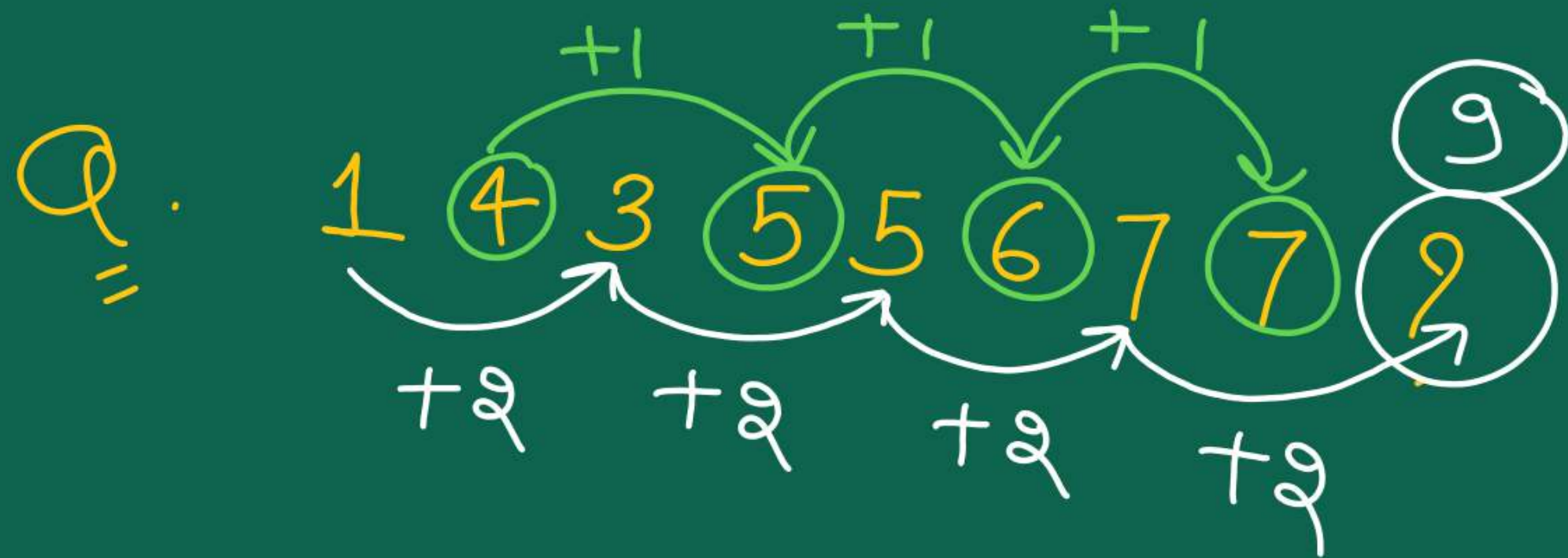
A) 50

✓ B) -50

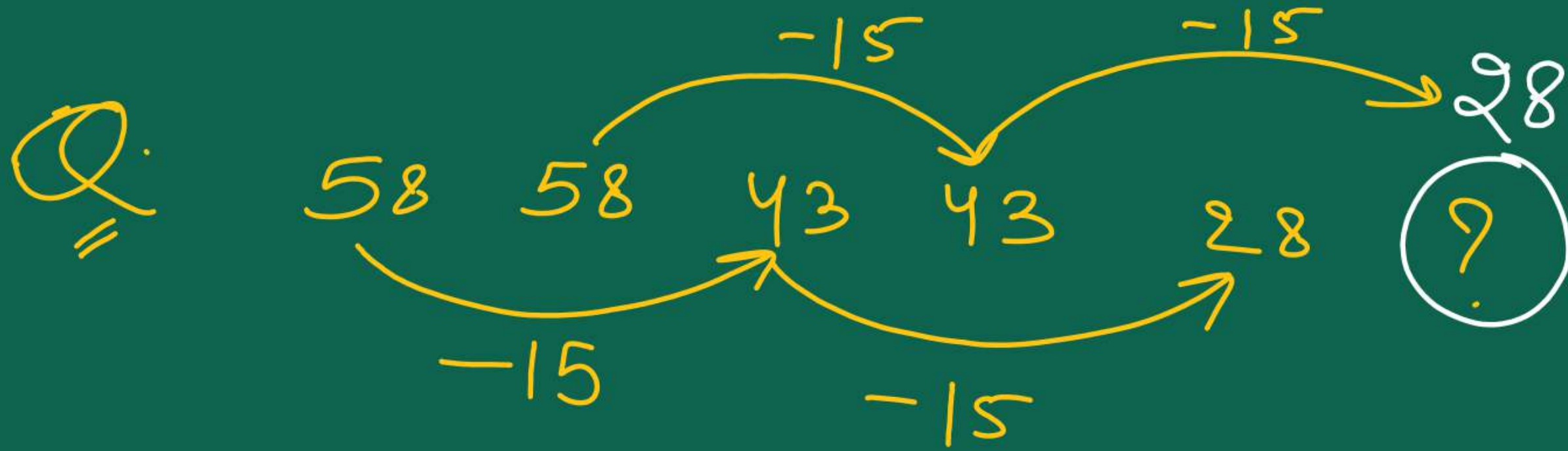
C) 75

D) -75

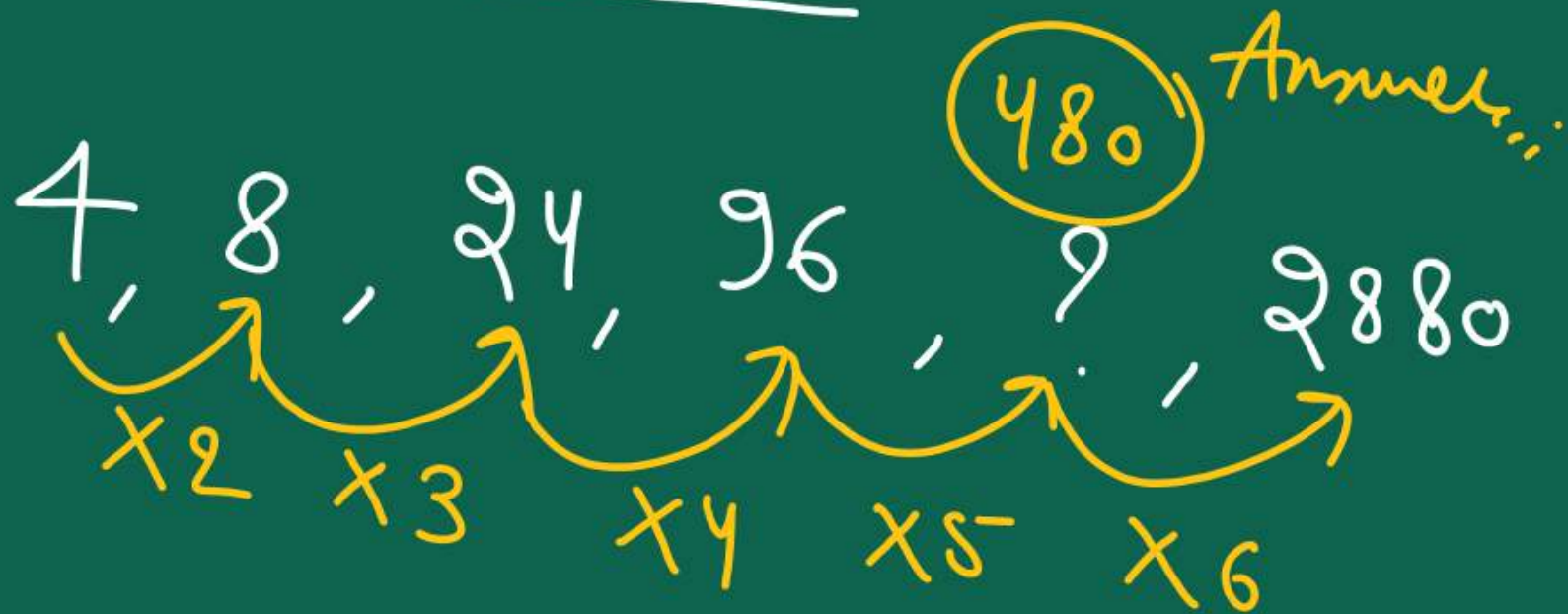
Pattern → जब 2 series चल रही हों :-

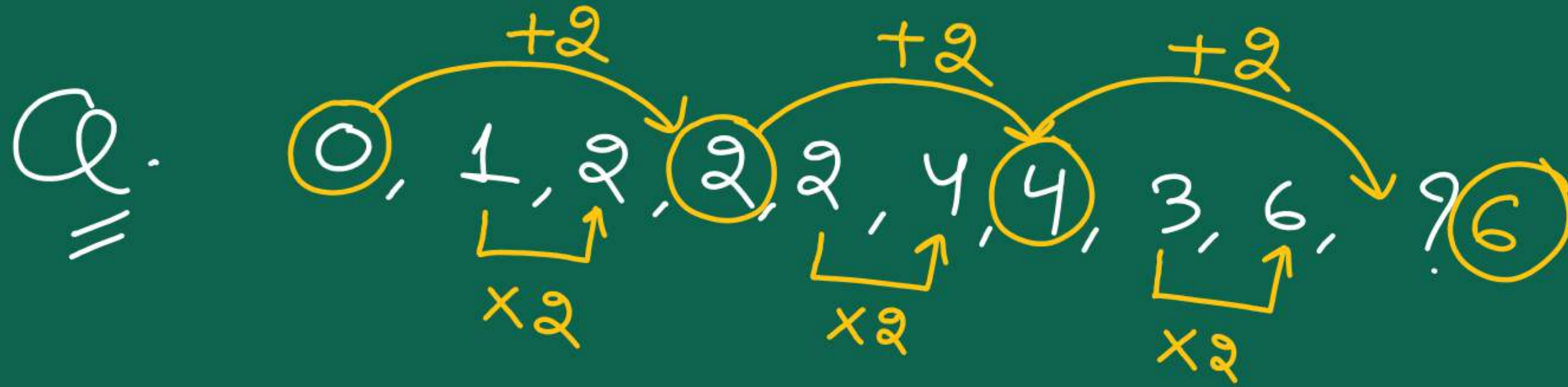


Alternate → एक छोड़कर चैक करेंगे।



Pattern:- (Multiplication)





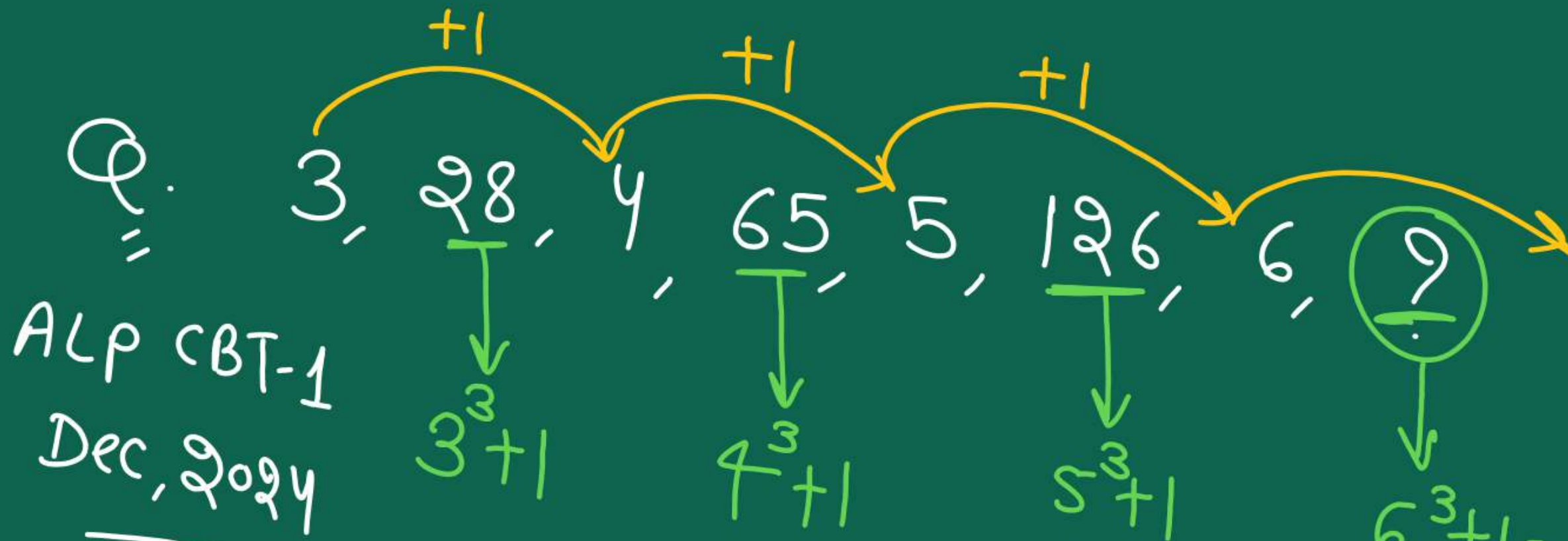
OPTIONS

A) 5

B) 6 ✓

C) 7

D) 9



ALP CBT-1
Dec, 2024

$9^3+1 = 729+1 = 730$ Answer

Pattern:- $\frac{a}{b}$ की form में series दी है।

Q. $\frac{1}{5}, \frac{4}{8}, \frac{9}{11}, \frac{16}{14}, ?$

$+3 \quad +3 \quad +3 \quad +3$

$\frac{25}{17}$ Answer.

अंश वाले नं. का अलग series मानेंगे इसी प्रकार हर वाले नं. का अलग series मानकर हल करेंगे।

Q. 0, 1, 5, 14, 30, ? 55

1 4 9 16 25
↓ ↓ ↓ ↓ ↓
1² 2² 3² 4² 5²

OPTION

A) 45 B) 50

✓ C) 55 D) 56

Q. 0, 1, 6, 21, 56, ? ¹²⁵

1 5 15 35 69
4 10 20 34
6 10 14

option

A) 100 B) 110

C) 120 D) 125 ✓
Ans

Same Number pattern

Q. 3, 3, 6, 9, 15 ? 24

1st priority

$$3+3=6$$

$$3+6=9$$

$$6+9=15$$

$$9+15=\textcircled{24}$$

Ans 51

Que. 6, 6, 9, 15, 24, 36, ?

0 3 6 9 12 15

+3 +3 +3 +3 +3

$\times$
 $\textcircled{2}$ 2 3 5 7 11 13 ?

Extra

Confuse
 2 2
 2 2
 2 2
 2 2

Prime No. $\rightarrow$ $\textcircled{17}$

Q.

5, 5, 7, 11, 17, 25,

35

?

Ans

0

2

4

6

8

+

10

+2

+2

+2

+2

+2

Q.

1.2, 2.4, 4.8, 8.4,

?

13.2

Answer,

+1.2

+2.4

+3.6

+4.8

Q. 0.25, 1, 2.25, 4, 6.25, 9

 ↓ ↓ ↓ ↓ ↓ ↑

$(0.5)^2$ $(1)^2$ $(1.5)^2$ $(2)^2$ $(2.5)^2$ $(3)^2$

Q. 0.5, 0.5, 1.0, 1.5, 2.5, 4.0, ?

$$0.5 + 0.5 = 1$$

$$0.5 + 1 = 1.5$$

$$1 + 1.5 = 2.5$$

$$1.5 + 2 = 4$$

$$2.5 + 4 = \textcircled{6.5} \text{ Ans}$$

Thank you

Keep Smile Always
