

SERIES - SHRIKANT KAUSHIK-25/08/2025

Special class

RODHA • Aug 25, 2025

1. Series → (1. missing numbers)
2. Wrong numbers.

2 4 6

2. Coding & Decode

3. Blood Relations.

4. Input/Output.

5. Clocks.

6. Calendar

7. Puzzles

8. Syllogisms

9. Connectives

CAT

LRDI

40 mis



5 puzzles

Every topic

200 - 300

Questions

144

12^2

196

14^2

256

16^2

324

18^2

400

20^2

484

22^2

576

24^2

No formula

Pattern

$$\begin{array}{cccccc}
 27 & 125 & 343 & 729 & & 1331 \\
 3^3 & 5^3 & 7^3 & 9^3 & & 11^3
 \end{array}$$

$$\begin{array}{ccccccccc}
 11 & & 22 & & 34 & & 47 & & 61 & & 76 & & 92 \\
 \hline
 & +11 & & +12 & & +13 & & +14 & & +15 & & +16 &
 \end{array}$$

$$\begin{array}{ccccccc}
 & +1 & & +13 & & +17 & & +19 & & +23 & & +29 \\
 11 & 22 & 35 & 52 & 71 & 94 & & 123 & \text{Ans.}
 \end{array}$$

A 123

B 115

C 129

D 117

Q5

$$\begin{array}{ccccccc} 11 & 12 & 16 & 25 & 41 & 66 & \underline{102} \\ \underbrace{\quad\quad} & \underbrace{\quad\quad\quad} & \underbrace{\quad\quad} & \underbrace{\quad\quad\quad} & \underbrace{\quad\quad\quad} & \underbrace{\quad\quad\quad} & \\ 1 & 4 & 9 & 16 & 25 & 36 & \\ 1^2 & 2^2 & 3^2 & 4^2 & 5^2 & 6^2 & \end{array}$$

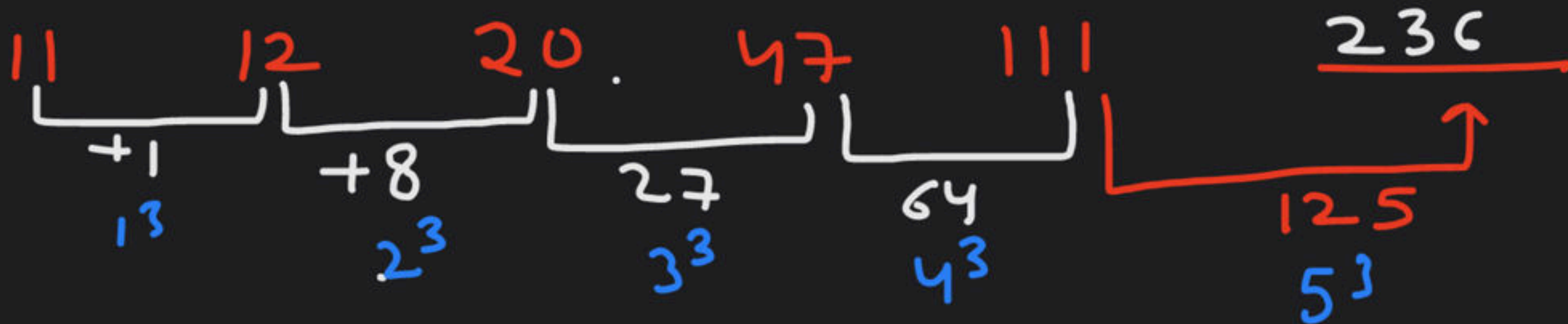
A 92

B 94

C 106

D 102

Q6 =



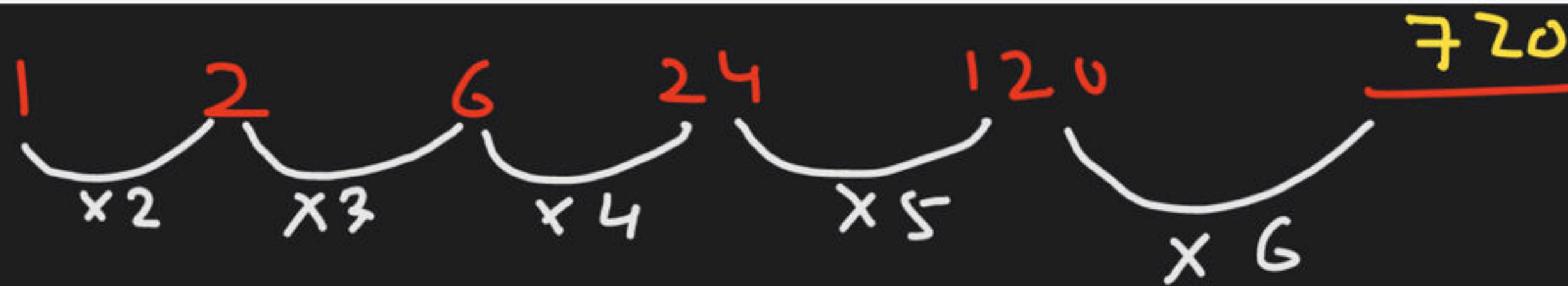
A 222

B 214

C 236

D 244

Q7



A 680

B 720

C 780

D 560

Q8.

$$\begin{array}{ccccccc} 1 & 2 & 6 & 30 & 210 & 2310 \\ \underbrace{ }_{\times 2} & \underbrace{ }_{\times 3} & \underbrace{ }_{\times 5} & \underbrace{ }_{\times 7} & \underbrace{ }_{\times 11} & & \end{array}$$

1

2, 3, 5, 7, 11

are prime numbers

1 min

(1890) α

Q9

$$\begin{array}{ccccccc} 36 & 18 & 18 & 27 & 54 & 135 & \underline{405} \\ \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \\ \times 0.5 & \times 1 & \times 1.5 & \times 2 & \times 2.5 & \times 3 & \end{array}$$

Q10

$$\begin{array}{ccccccc} 1 & 2 & 6 & 21 & 88 & \underline{445} \\ \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \\ +1 & +4 & +5 & +67 & & & \\ \times 1+1 & \times 2+2 & \times 3+3 & \times 4+4 & \times 5+5 & & \end{array}$$

Q11.

$$100 \\ \textcircled{10}^2$$

$$144 \\ \textcircled{12}^2$$

$$196 \\ \textcircled{14}^2$$

$$225 \\ \textcircled{15}^2$$

$$256 \\ \textcircled{16}^2$$

$$324 \\ \textcircled{18}^2$$

$$400 \\ \textcircled{20}^2$$

$$\frac{441}{\textcircled{21}^2}$$

10

Composite \rightarrow more than 2 factors.

Prime \rightarrow 2 factors

484 $\textcircled{\times}$

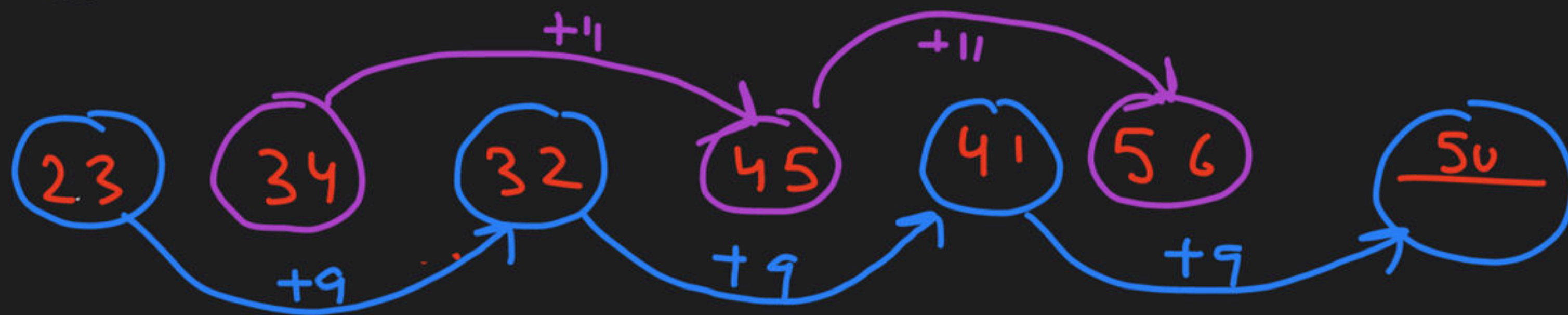
441 \checkmark

Pattern [games]

59 53 47 43 41 37 31 29

8 27 125 343 1331 2197 4913

2^3 3^3 5^3 7^3 11^3 13^3 17^3



Ans. (A)
(50, 62, 75, 54, 53, 72)

Alternate series

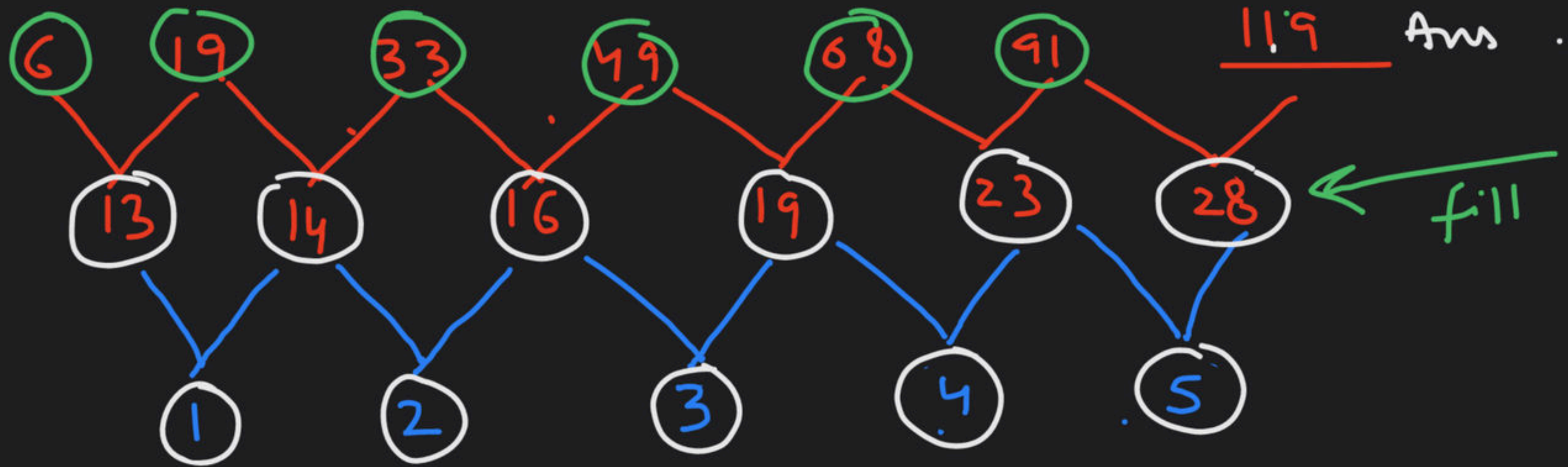
Q

$$\begin{array}{ccccccccc} 22 & & 36 & & 64 & & 106 & & 162 & & \underline{232} \\ \text{---} & & \text{---} & & \text{---} & & \text{---} & & \text{---} & & \\ 14 & & 28 & & 42 & & 56 & & 70 & & \\ 14 \times 1 & & 14 \times 2 & & 14 \times 3 & & 14 \times 4 & & 14 \times 5 & & \end{array}$$

Ques

$$\begin{array}{ccccccccccc} 2 & & 363 & & 652 & & 877 & & 1046 & & 1167 & & \underline{1248} \\ \text{---} & \uparrow & \text{---} & \uparrow & \text{---} & \uparrow & \text{---} & \uparrow & \text{---} & \uparrow & \text{---} & \uparrow & \text{---} \\ 361 & & 289 & & 225 & & 169 & & 121 & & 81 & & \\ 19^2 & & 17^2 & & 15^2 & & 13^2 & & 11^2 & & 9^2 & & \end{array}$$

$$(1248, 1288, 1227)$$



$(91, 119, 116, 113)$

$$\begin{array}{r} 91 \\ + 28 \\ \hline 119 \end{array}$$

Ques

CHOCOLATE

PROBLEM

$$1+7=8$$

$$2+5=7$$

$$3+2=5$$

$$3+7=10$$

$$4+7=11$$

17

25

32

37

47

58 Ans.

+8

+7

+5

+10

+11

(55, 58, 62, 56, 50, 49, 67, 51,)











