

TOPIC : Number Series

  **84 369 00 456 | 84 365 86 516**
 www.thedhronas.com  [The Dhronas- online Govt. Job Prep](#)  [The Dhronas](#)  [The Dhronas](#)



Complete the Series

1, 2, 3, 4, ~~5~~



Find out the wrong
in series

$2 \times 2^{+1}$ 5 $\times 2^{-1}$ 9 $\times 2^{+1}$ 19 $\times 2^{-1}$ 37
2 5 9 19 37

20 24 32 44 60
+4 +8 12 16
56



Complete the series
श्रृंखला पूरा गर्नुहोस्

1. 1, 9, 25, 49, ?, 121

(A) 64 (B) 81 (C) 91 (D) 100

①

1 9 25 49 81 121
 1^2 3^2 5^2 7^2 9^2 11^2

2. 11, 13, 17, 19, 23, 25, ?

(A) 26 (B) 27 (C) 29 (D) 37

②

11 13 17 19 23 25 29
 $+2$ $+4$ $+2$ $+4$ $+2$ $+4$

3. 6, 11, 21, 36, 56, ?

(A) 42 (B) 51 (C) 81 (D) 91

③

6 11 21 36 56 81
 $+5$ $+10$ $+15$ $+20$ $+25$





4. 22, 24, 28, ?, 52, 84

(A) 36 (B) 38 (C) 42 (D) 46

4) 22, 24, 28, 36, 52, 84
+2 +4 +8 +16 +32

5. 10, 100, 200, 310, ?

(A) 400 (B) 410 (C) 420 (D) 430

10, 100, 200, 310, 430
+90 +100 +110 +120

6. 325, 259, 204, 160, 127, 105, ?

(A) 94 (B) 96 (C) 98 (D) 100

325, 259, 204, 160, 127, 105, 94
-66 -55 -56 -33 -22 -11



7. 1, 1, 2, 6, 24, ?, 720

(A) 100 (B) 104 (C) 108 (D) 120

$1 \times 1, 1 \times 2, 2 \times 3, 6 \times 4, 24 \times 5, 120 \times 6, 720$

8. 4, 6, 9, $13\frac{1}{2}$, ?

(A) $17\frac{1}{2}$ (B) 19 (C) $20\frac{1}{4}$ (D) $22\frac{3}{4}$

$2 \times 1, 3 \times 2, 9 \times 3, 6 \times 2, 9 \times \frac{3}{2}, 13\frac{1}{2} \times 2, 20\frac{1}{4}$

9. 5760, 960, ?, 48, 16, 8

(A) 120 (B) 160 (C) 192 (D) 240

$5760 \div 6 = 960, 960 \div 6 = 192, 192 \div 4 = 48, 48 \div 3 = 16, 16 \div 2 = 8$



10. ~~165~~, 195, 255, 285, 345, ?

(A) 375 (B) 390 (C) 420 (D) 435

$$\begin{array}{ccccccc} 165 & 195 & 255 & 285 & 345 & 375 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ +30 & 60 & +30 & +60 & +30 & \\ 195 & 255 & 315 & 375 & 435 & 495 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 225 & 285 & 345 & 405 & 465 & 525 \end{array}$$

11. 7, 26, 63, 124, 215, 342, ?

(A) 391 (B) 421 (C) 481 (D) 511

$$\begin{array}{ccccccc} 7 & 26 & 63 & 124 & 215 & 342 & 511 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 2^3-1 & 3^3-1 & 4^3-1 & 5^3-1 & 6^3-1 & 7^3-1 & 8^3-1 \end{array}$$

12. 6, 13, 25, 51, 101, ?

(A) 201 (B) 202 (C) 203 (D) 205

$$\begin{array}{ccccccc} 6 & 13 & 25 & 51 & 101 & 203 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ +2+1 & \times 2-1 & \times 2+1 & \times 2-1 & \times 2+1 & \end{array}$$



13. 3, 7, 23, 95, ?

(A) 62 (B) 128 (C) 479 (D) 575

$$\begin{array}{l} 3 \times 2 + 1 = 7 \\ 7 \times 3 + 2 = 23 \\ 23 \times 4 + 3 = 95 \\ 95 \times 5 + 4 = 479 \end{array}$$

14. 2, 7, 27, 107, 427, ?

(A) 1262 (B) 1707 (C) 4027 (D) 4207

$$\begin{array}{l} 2 \times 3 + 1 = 7 \\ 7 \times 4 + 3 = 27 \\ 27 \times 5 + 4 = 107 \\ 107 \times 6 + 5 = 427 \end{array}$$

$$\begin{array}{l} 2 \times 3 + 1 = 7 \\ 7 \times 4 + 3 = 27 \\ 27 \times 5 + 4 = 107 \\ 107 \times 6 + 5 = 427 \\ 427 \times 7 + 6 = 1707 \end{array}$$

15. 10, 14, 26, 42, 70, ?

(A) 100 (B) 102 (C) 106 (D) 114

$$\begin{array}{l} 10 + 14 = 24 \times 2 = 48 \\ 14 + 26 = 40 \times 2 = 80 \\ 26 + 42 = 68 \times 2 = 136 \\ 42 + 70 = 112 \times 2 = 224 \end{array}$$





16. ~~5~~89654237, 8965423~~7~~, ~~8~~965423, 96542~~3~~, ? 96542
(A) 58965 (B) 65423 (C) 89654 (D) 96542

17. 5824, 5242, ?, 4247, 3823
(A) 4467 (B) 4718 (C) 4856 (D) 5164

18. 20, 20, 19, 16, 17, 13, 14, 11, ?, ?
(A) 10 10 (B) 10 11 (C) 13 14 (D) 13 16

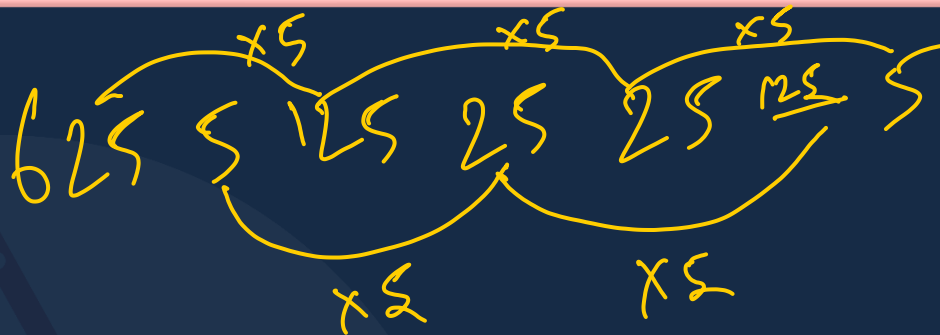
5824
5242
4247
3823

5824
5242
4247
3823



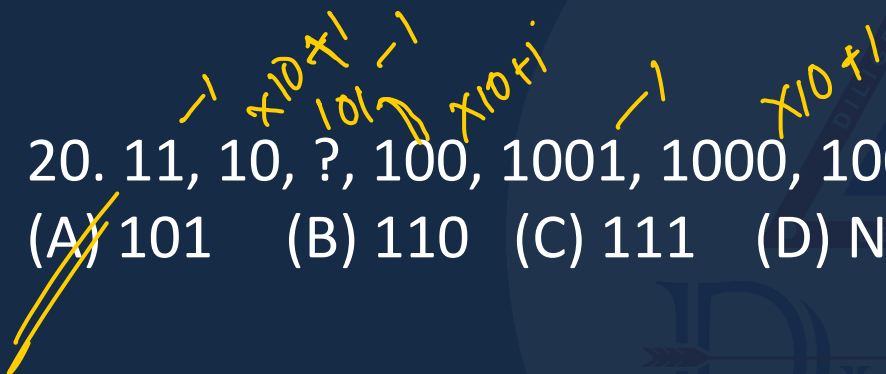
19. 625, 5, 125, 25, 25, ?, 5

(A) 5 (B) 25 (C) 125 (D) 625



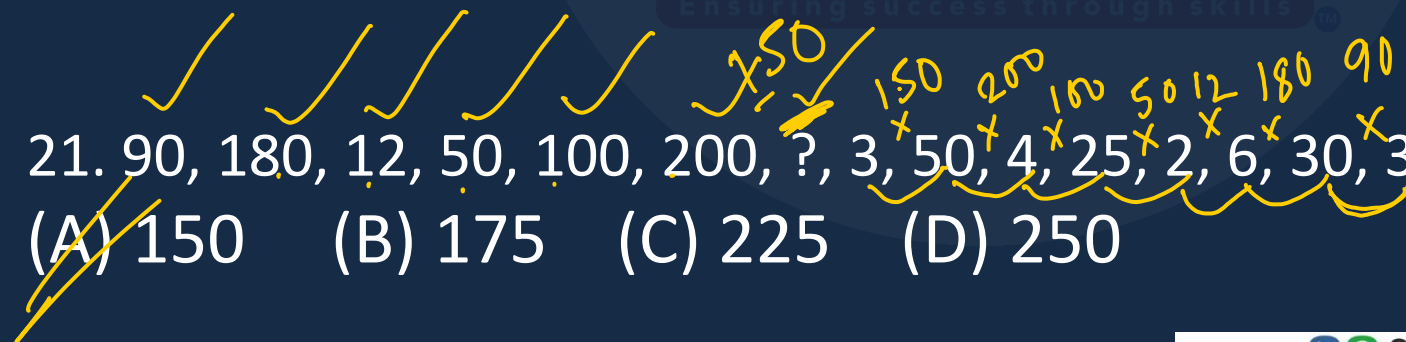
20. 11, 10, ?, 100, 1001, 1000, 10001

(A) 101 (B) 110 (C) 111 (D) None of these



21. 90, 180, 12, 50, 100, 200, ?, 3, 50, 4, 25, 2, 6, 30, 3

(A) 150 (B) 175 (C) 225 (D) 250





22. $\frac{2}{3}, \frac{4}{7}, ?, \frac{11}{21}, \frac{16}{31}$

- (A) $\frac{5}{9}$ (B) $\frac{6}{11}$ (C) $\frac{7}{13}$ (D) $\frac{9}{17}$

Handwritten solution for Q22:

$$\begin{array}{ccccccc} 2^{+2} & 4^{+3} & 7^{+4} & 11^{+4} & 16 \\ \hline 3 & 1 & 7 & 13 & 21 & 31 \\ \hline & +4 & +6 & +8 & 10 \end{array}$$

23. $\frac{2}{\sqrt{5}}, \frac{3}{5}, \frac{4}{5\sqrt{5}}, \frac{5}{25}, ?$

- (A) $\frac{6}{5\sqrt{5}}$ (B) $\frac{6}{25\sqrt{5}}$ (C) $\frac{6}{125}$ (D) $\frac{7}{25}$

Handwritten solution for Q23:

$$\begin{array}{ccccccc} 2 & 3 & 4 & 5 & 6 \\ \hline \sqrt{5} & 5 & 5\sqrt{5} & 25 & 25\sqrt{5} \end{array}$$

Handwritten calculations:

$$\begin{array}{r} 5 \times 5 = 25 \\ 5 \times 5 = 25 \\ 5 \times 5 = 25 \end{array}$$

24. $11\frac{1}{9}, 12\frac{1}{2}, 14\frac{2}{7}, 16\frac{2}{3}, ?$

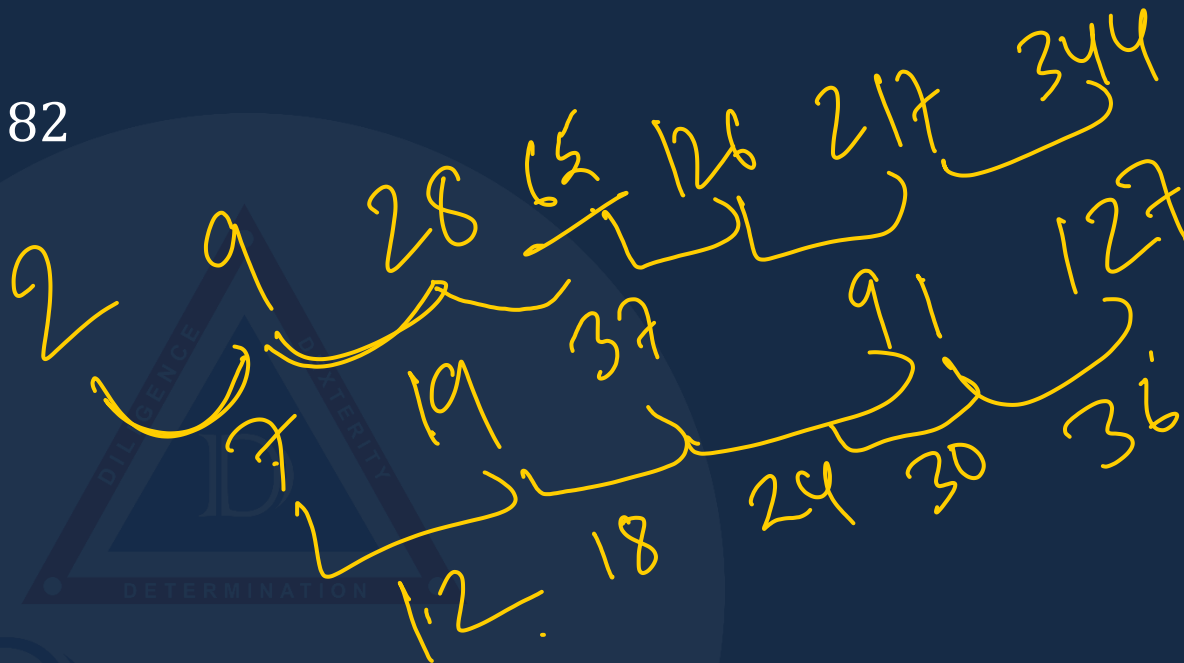
- (A) $8\frac{1}{3}$ (B) $19\frac{1}{2}$ (C) 20 (D) $22\frac{1}{3}$

Handwritten solution for Q24:

$$\begin{array}{ccccccc} 100 & 100 & 100 & 100 & 100 \\ \hline 9 & 25 & 7 & 3 & 21 \\ \hline & 2 & 2 & 2 & 2 \end{array}$$



25. 2, 9, 28, 7, 126, 217, 344,
(A) 50 (B) 65 (C) 70 (D) 82



In each of the following questions one term in the number series is wrong.

Find the wrong term

तलका प्रत्येक प्रश्नको संख्या श्रृंखलामा एउटा संख्या गलत छ त्यो छान्नुहोस्।

142 13 12 11 10 100

26. 196, 169, 144, 121, 101

(A) 101 (B) 121 (C) 169 (D) 196

9 36 49 81 121 169 225

27. 9, 36, 49, 81, 121, 169, 225

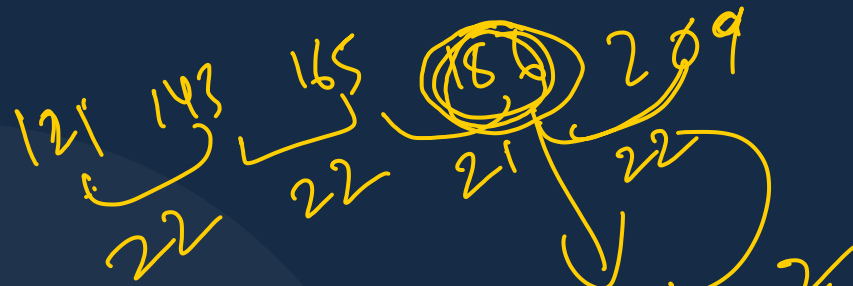
(A) 36 (B) 49 (C) 169 (D) 225

5 125



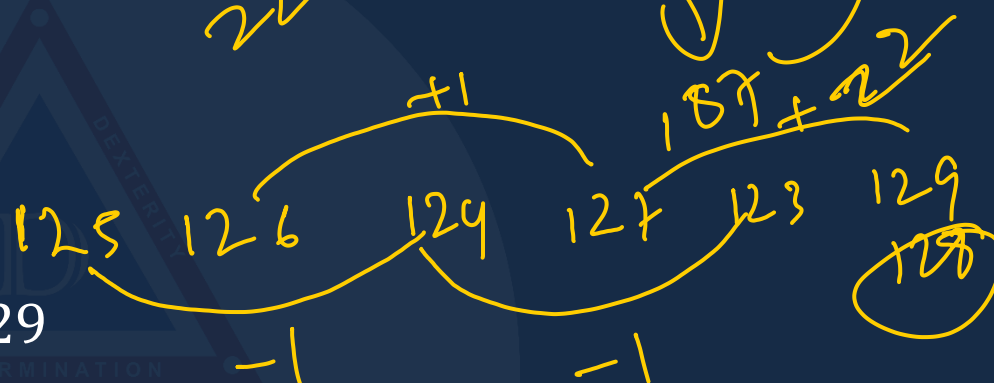
28. 121, 143, 165, 186, 209

(A) 143 (B) 165 (C) 186 (D) 209



29. 125, 126, 124, 127, 123, 129

(A) 126 (B) 124 (C) 123 (D) 129



30. 325, 259, 202, 160, 127, 105, 94

(A) 94 (B) 127 (C) 202 (D) 259

31. 24576, 6144, 1536, 386, 96, 24
(A) 96 (B) 386 (C) 1536 (D) 6144

32. 46080, 3840, 384, 48, 24, 2, 1
(A) 384 (B) 48 (C) 24 (D) 2





84 369 00 456 | 84 365 86 516



www.thedhronas.com



The Dhronas- online Govt. Job Prep



The Dhronas



The Dhronas