

**Success is not final ;
Failure is not fatal ;
It is the courage to continue that counts.**

CHURCHILL

Series

Zero to Hero Batch

There are mainly two type of Series :-

- 1. Number Series
 - 2. Letter Series
- A. Normal Series
- B. Repeated Series
- 

1. Number Series

The series may follow the possible logics given below :-

- A. Square / Cubes
- B. Add , Subtract , Multiplication , Divide
- C. X & then + / x & then -
- D. Step form / *difference*
- E. Mixed Form
- F. Illogical Form
- G. Prime Numbers

Type 1

Based on Difference

(अन्तर के आधार पर)

Zero to Hero Batch

Q. 3, 10, 17, 24, ?

31

+7 +7 +7 +7

Q. 85, 82, 79, 76, ?

73

-3 -3 -3 -3

Q. 31, 38, 47, ?, 71

58

+7 +9 +11 +13

Q. 112, 105, 97, ?, 78, 67

-7 -8 -9 -10 -11

Q. 2 , 8 , 18 , 32 , 50 , ?

A hand-drawn red bracket diagram on a white background. The diagram consists of a series of connected, slightly wavy horizontal lines. Below these lines are five red numbers: +6, +10, +14, +18, and +22. The brackets are positioned such that they group these numbers together, with each number centered under a specific bracket segment.

Q. 12, 25, 38, 51, ?

$+13$ $+13$ $+13$ $+13$

Type 2

Based on Multiplication

Zero to Hero Batch

Q. 2 , 4 , 8 , 16 , ? 32

$\underbrace{2 \times 2 = 4}$ $\underbrace{4 \times 2 = 8}$ $\underbrace{8 \times 2 = 16}$ $\underbrace{16 \times 2 = 32}$

Q. 3 , 6 , 18 , 72 , 360 , ? 2160

$\underbrace{3 \times 2 = 6}$ $\underbrace{6 \times 3 = 18}$ $\underbrace{18 \times 4 = 72}$ $\underbrace{72 \times 5 = 360}$ $\underbrace{360 \times 6 = 2160}$

Q. 2880 , 480 , 96 , ? , 8 , 4 24

$\underbrace{2880 \div 6 = 480}$ $\underbrace{480 \div 5 = 96}$ $\underbrace{96 \div 4 = 24}$ $\underbrace{24 \div 3 = 8}$ $\underbrace{8 \div 2 = 4}$

Zero to Hero Batch

Q. 4 , 2 , 2 , 3 , 6 , 15 , 45 , ?

Handwritten analysis: $\times 0.5$, $\times 1$, $\times 1.5$, $\times 2$, $\times 2.5$, $\times 3$, $\times 3.5$. The answer 157.5 is circled.

Q. 3 , 6 , 9 , 27 , 30 , 120 , ? , 615

Handwritten analysis: $\times 2$, $+3$, $\times 3$, $+3$, $\times 4$, $+3$, $\times 5$. The answer 123 is circled.

Q. 60 , 30 , 20 , 15 , ? , ?

Handwritten analysis: $\times \frac{1}{2}$, $\times \frac{2}{3}$, $\times \frac{3}{4}$, $\times \frac{4}{5}$, $\times \frac{5}{6}$. The answers 12 and 10 are circled.

$$\frac{30}{60} \times \frac{1}{2} \Rightarrow 30$$

$$\frac{10}{30} \times \frac{2}{3} \Rightarrow 20$$

$$\frac{5}{20} \times \frac{3}{4} \Rightarrow 15$$

$$\frac{3}{15} \times \frac{4}{5} \Rightarrow 12$$

$$\frac{2}{12} \times \frac{5}{6} \Rightarrow \underline{\underline{10}}$$

Q. 4 , 9 , 16 , 25 , 36 , ? 49

$$2^2 \quad 3^2 \quad 4^2 \quad 5^2 \quad 6^2 \quad 7^2$$

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

$$2^3 - 1 \quad 3^3 - 1 \quad 4^3 - 1 \quad 5^3 - 1 \quad 6^3 - 1 \quad 7^3 - 1$$

Q. 2 , 3 , 5 , 7 , 11 , 13 , ? , ?

17 19

Q. 1 , 4 , ? , 16 , 125 , 36 , ?

27

343

$$1^3 \quad 2^2 \quad 3^3 \quad 4^2 \quad 5^3 \quad 6^2 \quad 7^3$$

R. 2 , 3 , ? , 15 , 26 , 35 , 50

$$2^2-1 \quad 4^2-1 \quad 6^2-1$$

$$1^2+1 \quad 3^2+1 \quad 5^2+1 \quad 7^2+1$$

Q. 6 , 24 , 60 , 120 , ? , ?

210

336

$$2^3-2 \quad 3^3-3 \quad 4^3-4 \quad 5^3-5 \quad 6^3-6 \quad 7^3-7$$

Zero to Hero Batch

Q. 2 , 10 , 30 , 68 , ? , ?

$1^3 + 1$ $2^3 + 2$ $3^3 + 3$ $4^3 + 4$ $5^3 + 5$ $6^3 + 6$

130 222

Q. 2 , 4 , 7 , 12 , 19 , 30 , ? , ?

2 3 5 7 11 13 17

43 60

Q. 1 , 10 $\xrightarrow{\times}$ 10 $\xrightarrow{\times}$ 100 $\xrightarrow{\times}$ 1000 , ? , ?

1000000 , 100000000

Thank you

Zero to Hero Batch



