

Calculation का महाकुंज बेंच

MULTIPLICATION (गुणा)

TYPE-8

Cube (घन)

$$(ab)^3 = a^3 / 3a^2b / 3ab^2 / b^3$$

$$6^3$$

(a) 317

(b) 246

(c) 326

✓ (d) 216

↻ 1^3
याद रखो
 15^3

$$9^3$$

 (a) 729

(c) 949

(b) 849

(d) 844

$$12^3$$

(a) 1828

(c) 1978

~~(b) 1728~~

(d) 1823

$$12^3$$

1728

$$13^3$$

2197

21^3

(a) 9741

(c) 8261

 **(b) 9261**

(d) 97451

21^3

9261

32³

32768

16^3

(a) 4096

(c) 4086

(b) 4426

(d) 4356

4096

एक पर निराकरण
Practice करें

$$34^3$$

(a) 41235

(b) 38458

(c) 39304

(d) 41204

39304

$$23^3$$

(a) 12456

(b) 14523

(c) 12167

(d) 21547



Calculative

$$92^3$$

(a) 888678

(b) 778654

~~(c) 778688~~

(d) 687418

778688

$$52^3$$

148877

$$58^3$$

(a) 195112

(b) 214313

(c) 245135

(d) 241253

Advance Calculation

Chapter-2

Multiplication's Magic (गुणा के मैजिक)

- **Arrow Method**
- **Cross Method (2×2)**
- **0.5, 0.25, 0.75 और 0.125 की जबरदस्त Multiplication**
- **Multiplication of 5^n (5, 25, 125,)**
- ✓ **50 का Special Multiplication**
- ✓ **9, 99, 999, से गुणा (Multiplication)**
- ✓ **101 का Multiplication Magic**
- **1001 का Multiplication Magic**
- **Special Types of Multiplication**
- **Multiplication का Successive Method (बड़े काम की चीज)**
- **Exam Calculation के 4 मूलमंत्र**

- **50 का Special Multiplication**

$$\frac{x \times 50 \times 2}{2} = \frac{x \times 100}{2} = \frac{x00}{2}$$

- 50 का Special Multiplication

$$268 \times 50$$

$$(13400) \text{ Ans}$$

$$396 \times 50$$

$$19800$$

$$433 \times 50$$

$$\frac{4330}{2}$$

$$2$$

$$(21650)$$

- 50 का Special Multiplication

$$3762 \times 50$$

188100 Ans

$$\begin{array}{r} 98432 \times 50 \\ \hline 4921600 \end{array}$$

- 50 का Special Multiplication

$$426830 \times 50$$

2134150

- 50 का Special Multiplication

$$934794 \times 50$$

$$46739700$$

$$8462163 \times 50$$

$$423108150$$

9, 99, 999, से गुणा (Multiplication)

Type 1: जब 9 समान हो

$$8 \times 9$$

$$81 \times 99$$

$$981 \times 999$$

- 9, 99, 999, से गुणा (Multiplication)
-

$$3 \times 9$$

A handwritten diagram illustrating the multiplication of 3 by 9. The expression 3×9 is written in green. An orange curved arrow points from the green '3' down to a circle containing the number '27', which is also written in orange. This represents the result of the multiplication.

- 9, 99, 999, से गुणा (Multiplication)
-

$$38 \times 99$$

$$\begin{array}{r} 38 \times 99 \\ \hline 3762 \end{array} \text{ Ans}$$

$$823 \times 999$$

$$\begin{array}{r} 823 \\ \times 999 \\ \hline 822177 \end{array}$$

$$56 \times 99$$

$$\begin{array}{r} 56 \\ \times 99 \\ \hline 5544 \end{array}$$

- 9, 99, 999, से गुणा (Multiplication)
-

$$783 \times 999$$

$$782217$$

- 9, 99, 999, से गुणा (Multiplication)
-

$$649 \times 999$$

648351

- 9, 99, 999, से गुणा (Multiplication)

$$476\frac{142}{999} \times 999 \longrightarrow 476 \times 999 + \frac{142}{\cancel{999}} \times 999$$

$$475524 + 142$$

$$(475666) \text{ Ans}$$

Type 2 जब 9 ज्यादा है

$$074 \times 999$$

$$\text{073926}$$

Ans

- 9, 99, 999, से गुणा (Multiplication)

$$038 \times 999$$

$$037962$$

- 9, 99, 999, से गुणा (Multiplication)

$$63 \times 999$$

$$062937$$

7143x99999

0714292857

10234567X9999999999

010234566989765433

0063 x 9999

00629937

000715x999999

000714999285

Type 3: જેવે 9 કામ હો

$$431 \times 99$$

$$431 \times (100 - 1)$$

$$43100 - 431$$

$$(42669)$$

- 9, 99, 999, से गुणा (Multiplication)

$$6349 \times 999$$

$$\begin{array}{r} 6349000 \\ - \quad 6349 \\ \hline 6342651 \end{array}$$

- 9, 99, 999, से गुणा (Multiplication)

$$86485 \times 9999$$

$$\begin{array}{r} 864850000 \\ 86485 \\ \hline 864763515 \end{array}$$

$$246875 \times 999$$

$$246875000$$

$$246875$$

$$246628125$$

- 101 का Multiplication Magic

Two Digit Number:-

$$\underbrace{xy} \times \underbrace{101} = \underbrace{xy} \underbrace{xy}$$

- **101 का Multiplication Magic**
-

Two Digit Number:-

$$27 \times 101$$

2727

- **101 का Multiplication Magic**

Two Digit Number:-

$$45 \times 101$$

4545

- **101 का Multiplication Magic**

Two Digit Number:-

$$67 \times 101$$

6767

81x101

8181

$$xyzx|0| = \underbrace{xyz}_{\text{}} / \underbrace{xyz}_{\text{}}$$

Three Digit Number:-

$$213 \times 101 = 213/213$$

21513

Three Digit Number:-

$$324 \times 101$$

$$\begin{array}{r} 324 \\ \times 101 \\ \hline 324 \\ 000 \\ 324 \\ \hline 32724 \end{array}$$

Three Digit Number:-

$$487 \times 101$$

$$\begin{array}{r} 487/487 \\ \hline 49187 \end{array}$$

723x101

723/723

73023