

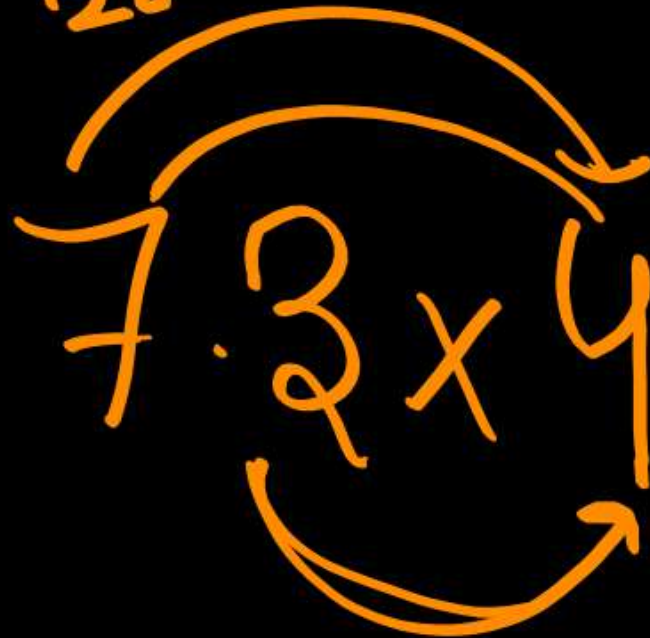
Calculation का महत्त्व

New Chapter: Decimal

DECIMAL (दशमलव)

TYPE-1

2^8



1.2

29.2

73x4

29.2


$$2.3 \times 9 = ?$$

(a) 21.7

(c) 18.7

 **(b) 20.7**

(d) 19.7

$$6.4 \times 5 = ?$$

(a) 32.5

(b) 31

 (c) 32

(d) 32.4


$$9.4 \times 3 = ?$$

(a) 27.6

(b) 27.2

 **(c) 28.2**

(d) 28.4

$$6.2 \times 9 = ?$$

~~(a) 55.8~~

(c) 58.8

(b) 50.8

(d) 57.9

$$3.3 \times 4 = ?$$

(a) 12.3

(b) 13.5

~~(c) 13.2~~

(d) 14.2

$$3.2 \times 6 = ?$$

(a) 21.2

(b) 18.2

~~(c) 19.2~~

(d) 1.92

$$3.4 \times 5 = ?$$

 (a) 17

(b) 17.5

(c) 16

(d) 18

 $4.7 \times 7 = ?$

(a) 29.9

(c) 31.9

 (b) 32.9

(d) 32.3

$$5.6 \times 9 = ?$$

(a) 51.4

(b) 50

 (c) 50.4

(d) 51.6

$$5.9 \times 4 = ?$$

(a) 24.6

(c) 22.6

 **(b) 23.6**

(d) 23.4

$$6.2 \times 7 = ?$$

(a) 43.2

(b) 49.4

 **(c) 43.4**

(d) 44.4


$$6.4 \times 4 = ?$$



~~(a) 25.6~~

(c) 26.6

(b) 24.6

(d) 32.6

$$8.7 \times 7 = ?$$

(a) 59.4

(c) 61.9

 **(b) 60.9**

(d) 34.6

 $9.6 \times 4 = ?$

(a) 26.4

(c) 3.84

**(b) 38.4**

(d) 33.4

 $4.2 \times 9 = ?$

(a) 35.8

(c) 36.8

 **(b) 37.8**

(d) 38

$$5 \times 5.5 = ?$$

(a) 5.55

(b) 55.5

(c) 25.5

 (d) 27.5

$$7 \times 1.4 = ?$$

 **(a) 9.8**

(b) 8.8

(c) 9.6

(d) 8.9

$$8.4 \times 7 = ?$$

(a) 59.8

(c) 59

(b) 58.8

(d) 59.2

$$9.2 \times 3 = ?$$

(a) 26.7

(b) 72.6

(c) 2.76

 **(d) 27.6**

$$9 \times 9.8 = ?$$

(a) 89.9

(c) 89.1

 **(b) 88.2**

(d) 88

TYPE-2


$$11.4 \times 4 = ?$$

(a) 42.6

(c) 44.6

✓ (b) 45.6

(d) 43.6

 $12.6 \times 8 = ?$

(a) 99.8

(b) 102.8

 (c) 100.8

(d) 96.8

$12.9 \times 5 = ?$

(a) 65.5

(c) 6.45

 **(b) 64.5**

(d) 65.4


$$13.8 \times 8 = ?$$

~~(a) 110.4~~

(c) 111.4

(b) 111

(d) 1.104

 $12.3 \times 7 = ?$

(a) 85.1

(b) 88.1

 (c) 86.1

(d) 87.1


$$19.4 \times 6 = ?$$

(a) 112.4

(b) 115.4

~~**(c) 116.4**~~

(d) 118.4

$$24.5 \times 4 = ?$$

(a) 97

(c) 99

~~**(b) 98**~~

(d) 96

$$62.1 \times 8 = ?$$

(a) 499.8

(b) 495.8

 **(c) 496.8**

(d) 498.8


$$84.4 \times 5 = ?$$

(a) 441

(c) 421

 **(b) 422**

(d) 420


$$12.7 \times 7 = ?$$



(a) 88.9

(c) 89.9

(b) 87.9

(d) 90.9


$$12.8 \times 6 = ?$$

(a) 75

(b) 77.8

 **(c) 76.8**

(d) 79.8

$14.6 \times 4 = ?$

(a) 56.7

(c) 57

 **(b) 58.4**

(d) 57.4

$16.1 \times 9 = ?$

(a) 147

(b) 145.9

 **(c) 144.9**

(d) 145.1

$17.4 \times 6 = ?$

(a) 103.4

(b) 105.4

(c) 104.6

(d) 104.4

$$71.4 \times 5 = ?$$

(a) 358

(c) 356

 **(b) 357**

(d) 360


$$92.2 \times 5 = ?$$



~~(a) 461~~



(c) 463

(b) 462

(d) 461.5


$$15.9 \times 3 = ?$$

(a) 46.7

(b) 48.7



(c) 47.7

(d) 49.7


$$16.2 \times 7 = ?$$

(a) 114

(c) 118.4

 **(b) 113.4**

(d) 115.2


$$21.6 \times 4 = ?$$

(a) 86.2

(b) 84

(c) 87.4

✓ (d) 86.4


$$33.3 \times 3 = ?$$

(a) 109

(c) 100.9



(b) 99.9

(d) 99

TYPE-3


$$31 \times 0.4 = ?$$

(a) 13.4

(c) 1.24

~~(b) 12.4~~

(d) 12.04

$$77 \times 0.2 = ?$$

(a) 1.54

(b) 14.5

(c) 16.4

(d) 15.4

$$69 \times 0.3 = ?$$

(a) 21.7

(b) 20.4

 (c) 20.7

(d) 2.07

$$13 \times 0.006 = ?$$

☒ (a) 0.078

(b) 0.78

(c) 7.8

(d) 78

$$23 \times 0.09 = ?$$

(a) 27.0

(b) 2.70

(c) 20.7

(d) 2.07



$$95 \times 0.6 = ?$$

~~(a) 57~~

(b) 56

(c) 54

(d) 55

$$46 \times 0.07 = ?$$

(a) 32.2

(b) 3.02

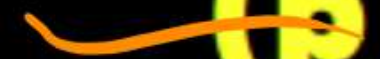
(c) 3.78

 **(d) 3.22**

$$57 \times 0.5 = ?$$

(a) 30.5

(c) 29.5

 **(b) 28.5**

(d) 27.5

$$93 \times 0.08 = ?$$

~~(a) 7.44~~

(b) 74.4

(c) 7.04

(d) 74

$$81 \times 0.05 = ?$$

(a) 41.5

(b) 40.5

(c) 405

 **(d) 4.05**

$$22 \times 0.8 = ?$$

(a) 1.86

(b) 18.6

(c) 1.76

 **(d) 17.6**

$$15 \times 0.009 = ?$$

(a) 0.0135

(c) 1.35

~~(b) 0.135~~

(d) 13.5

$$33 \times 0.6 = ?$$

(a) 1.98

(c) 20

~~(b) 19.8~~

(d) 22.8

$$84 \times 0.3 = ?$$

(a) 25.5

(b) 2.52

 **(c) 25.2**

(d) 2.02

$$65 \times 0.006 = ?$$

(a) 3.9

(c) 39

~~(b) 0.39~~

(d) 0.039

$$6.1 \times 9 = ?$$

(a) 54.3

(c) 55.6

 **(b) 54.9**

(d) 58.9

$$8 \times 7.9 = ?$$

(a) 62.3

(b) 6.32

 **(c) 63.2**

(d) 70.2

$$5 \times 5.5 = ?$$

(a) 5.55

(b) 55.5

(c) 25.5

~~(d) 27.5~~

$$7 \times 4.8 = ?$$

(a) 34.6

(b) 32.6

 (c) 33.6

(d) 36.6

$$9 \times 7.7 = ?$$

(a) 70.6

(c) 70.7

(b) 67.3

 **(d) 69.3**

Advance Calculation

Chapter-4

Calculation के 5 Golden Methods

Method 1: नीचे वाले Number को 100% मानकर calculate करते हैं।

$$\frac{448}{700} \rightarrow \%$$

$$700 \rightarrow 100\%$$

$$70 \rightarrow 10\%$$

$$7 \rightarrow 1\%$$

$$420 \quad 28$$

$$60\% + 4\% = 64\%$$

$$742.35$$

$$\frac{742.35}{735} = 100\% + 1\%$$

$$\rightarrow 101\%$$

$$735 \rightarrow 73.5 \rightarrow 10\%$$

$$7.35 \rightarrow 1\%$$

Calculation के 5 Golden Methods

Method 1: नीचे वाले Number को 100% मानकर calculate करते हैं।

$$\frac{294}{300}$$

$$100\% - 2\% = 98\%$$

Method 2: Denominator को % मानकर calculate करते हैं।

$$\begin{array}{c} \textcircled{825 \times 8} \\ \swarrow \\ 8.25 \times 8 = 66 \end{array}$$

$$\begin{array}{r} 825 \\ \hline 1250 \end{array} \rightarrow \frac{1}{8} \text{ imagine}$$

(A) 49%
(B) 66%
(C) 57%
(D) 55%

(B)

$$\frac{3000}{3750} = 80\%$$

$$\frac{36 \times 8}{8}$$



$$\begin{array}{l} 8\% \\ \textcircled{80\%} \end{array}$$

$$\frac{3000}{6250} = 48\%$$

$$\frac{113}{250} = 45.2\%$$

$$\frac{3}{1/16}$$

$$\begin{array}{r} 48\% \\ \cancel{48} \\ \cancel{480} \\ \cancel{048} \end{array}$$

Method 3: Number की Digit change करके Ans calculate करते हैं।

$$\frac{3}{54} \frac{1}{18} \approx 5.5\% \text{ Ans}$$

$$\frac{3}{53} = ??$$

(A) 3.87%

(B) 6.97%

(C) ✓ 5.66%

(D) 4.66%

Method 3: Number की Digit change करके Ans calculate करते हैं।

$$\frac{17}{65} = \frac{16+1}{64}$$
$$= 25\% + 1.5\%$$
$$= 26.5\%$$

$$\frac{85}{325}$$

(A) 22.46

(B) 21.17

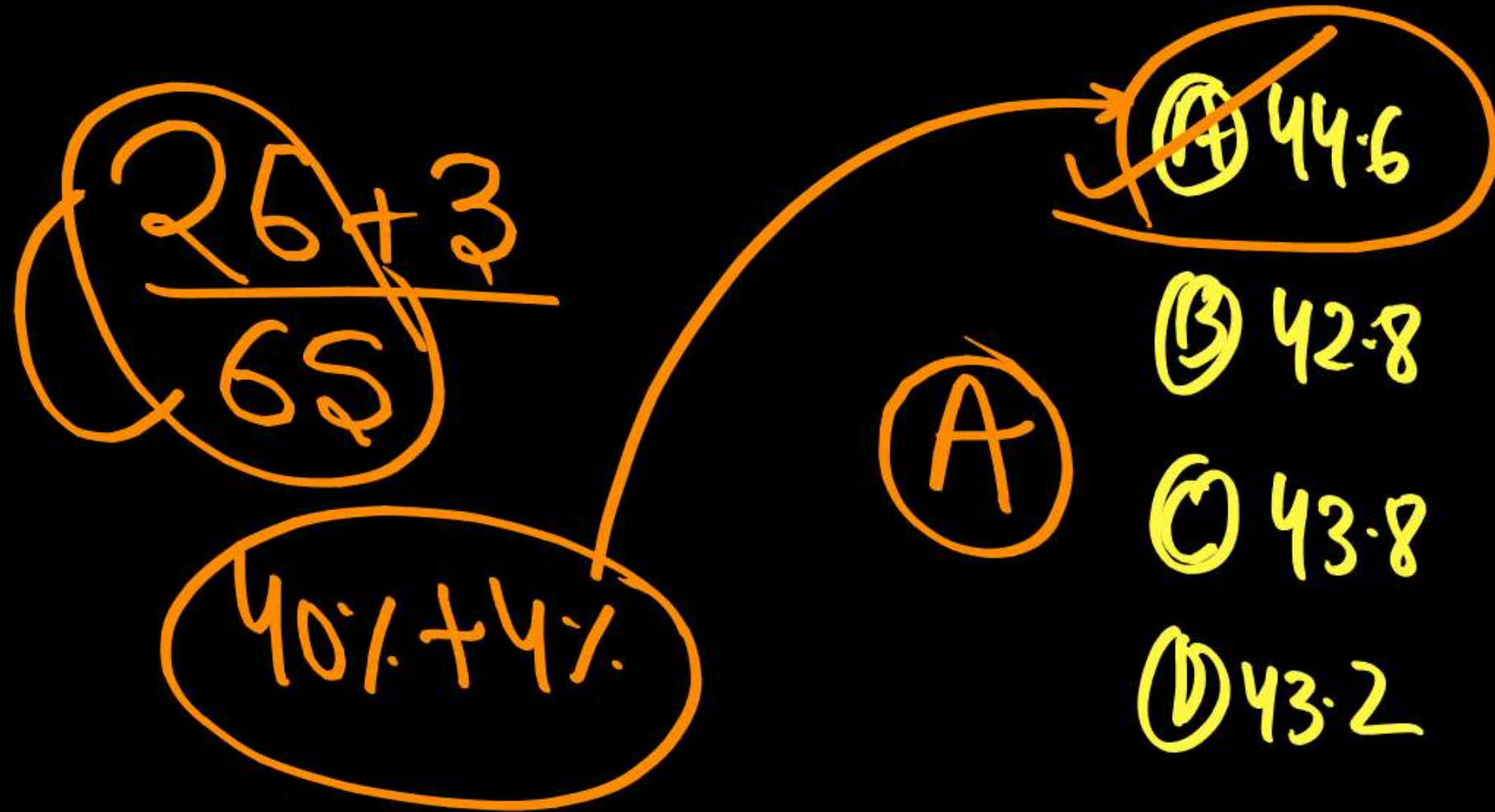


☒ (C) 26.15

(D) 32.75

Method 3: Number की Digit change करके Ans calculate करते हैं।

$$\frac{29}{65}$$



$$\frac{1}{22} = 4.5\%$$

Method 4: जब Option में Decimal से पहले अलग - अलग संख्या हो।

$$\frac{550}{1550} = \frac{35}{1100}$$

D

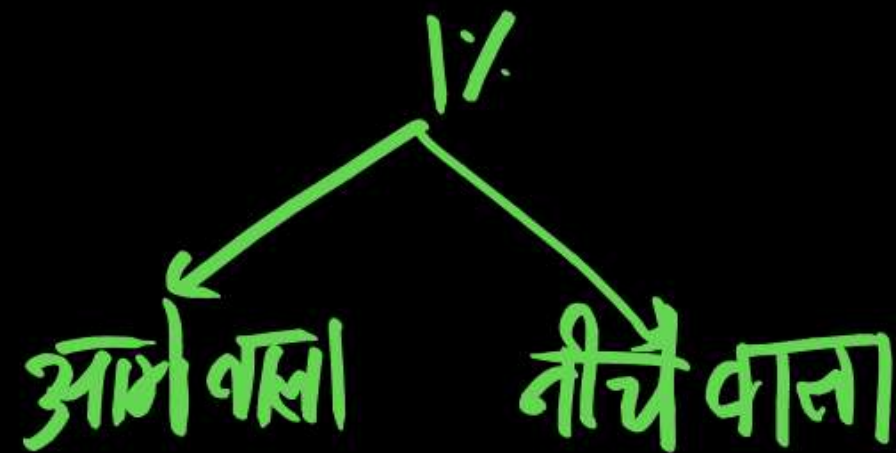
- ↓
- (A) ~~39.18%~~
 - (B) ~~45.48%~~
 - (C) ~~34.25%~~
 - (D) 35.48%

Method 5: जब Option Mixed Fraction में हो।

$$\frac{400}{1350} = \frac{800}{27}$$

last digit का
Concept

99%



$$29\frac{17}{27} \cdot 1. \quad \checkmark$$

$$29\frac{23}{27} \cdot 1. \quad \times$$

$$26\frac{12}{27} \cdot 1. \quad \times$$

$$25\frac{17}{27} \cdot 1. \quad \times$$