

MULTIPLICATION OF 2-DIGIT NUMBER BY 1-DIGIT NUMBER (without carry over)

Example: Multiply 32 by 3.

Solution: **Step 1:** Multiply 3 with the digit in the ones place of 32.

$$2 \text{ ones} \times 3 = 6 \text{ ones}$$

Write 6 in the ones place.

Step 2: Multiply 3 with the digit in the tens place of 32.

$$3 \text{ tens} \times 3 = 9 \text{ tens}$$

Write 9 in the tens place.

T	O
3	2
$\times$	3
9 6	

So, $32 \times 3 = 96$

EXERCISE-5

(According to NEP Guidelines)
(Understanding)

Multiply :

1.

T	O
2	4
$\times$	2
4 8	

2.

T	O
1	3
$\times$	2
2 6	

3.

T	O
1	1
$\times$	3
3 3	

4.

T	O
3	3
$\times$	3
9 9	

5.

T	O
2	2
$\times$	4
8 8	

6.

T	O
3	4
$\times$	2
6 8	

7.

T	O
3	1
$\times$	3
9 3	

8.

T	O
1	0
$\times$	5
5 0	

9.

T	O
4	4
$\times$	2
8 8	

10.

T	O
2	3
$\times$	3
6 9	

11.

T	O
1	2
$\times$	4
4 8	

12.

T	O
3	2
$\times$	2
6 4	

EXERCISE-7

(According to NEP Guidelines)
(Understanding)

Multiply :

1. $\begin{array}{r} \text{T} \quad \text{O} \\ 1 \\ 2 \quad 4 \\ \times \quad 3 \\ \hline 72 \end{array}$

2. $\begin{array}{r} \text{T} \quad \text{O} \\ 2 \\ 1 \quad 5 \\ \times \quad 5 \\ \hline 75 \end{array}$

3. $\begin{array}{r} \text{T} \quad \text{O} \\ 2 \\ 1 \quad 7 \\ \times \quad 4 \\ \hline 68 \end{array}$

4. $\begin{array}{r} \text{T} \quad \text{O} \\ 2 \\ 1 \quad 4 \\ \times \quad 7 \\ \hline 98 \end{array}$

5. $\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 1 \quad 1 \\ 5 \quad 6 \\ \times \quad 3 \\ \hline 168 \end{array}$

6. $\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 4 \quad 2 \\ 7 \quad 4 \\ \times \quad 6 \\ \hline 444 \end{array}$

7. $\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 3 \quad 4 \\ 6 \quad 8 \\ \times \quad 5 \\ \hline 340 \end{array}$

8. $\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 1 \quad 5 \\ 2 \quad 9 \\ \times \quad 6 \\ \hline 174 \end{array}$

9. $\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 5 \quad 1 \\ 8 \quad 2 \\ \times \quad 7 \\ \hline 574 \end{array}$

10. $\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 4 \quad 1 \\ 5 \quad 2 \\ \times \quad 8 \\ \hline 416 \end{array}$

11. $\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 1 \quad 1 \\ 9 \quad 8 \\ \times \quad 2 \\ \hline 196 \end{array}$

12. $\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 4 \quad 4 \\ 6 \quad 6 \\ \times \quad 7 \\ \hline 462 \end{array}$

Fun Time

Box multiplication

Let us multiply 64 by 2.

We can write, $64 = 60 + 4$

So, $64 \times 2 = 120 + 8 = 128$

Try these:

(a) 39×5

(b) 46×6

(c) 55×7

60	4	
60×2	4×2	2
$= 120$	$= 8$	

MULTIPLICATION OF 3-DIGIT NUMBER BY 1-DIGIT NUMBER (without carry over)

Example : Multiply 221 by 4.

Solution :

Step 1 :

Multiply 4 with the digit in the ones place.

$$1 \text{ one} \times 4 = 4 \text{ ones}$$

Write 4 in the ones place.

H	T	O
2	2	1
		$\times 4$
		4

Step 2 :

Multiply 4 with the digit in the tens place.

$$2 \text{ tens} \times 4 = 8 \text{ tens}$$

Write 8 in the tens place.

H	T	O
2	2	1
		$\times 4$
	8	4

Step 3 :

Multiply 4 with the digit in the hundreds place.

$$2 \text{ hundreds} \times 4 = 8 \text{ hundreds}$$

Write 8 in the hundreds place.

H	T	O
2	2	1
		$\times 4$
8	8	4

$$\text{So, } 221 \times 4 = 884$$

EXERCISE-9

(According to NEP Guidelines)
(Understanding, Applying)

1. Multiply:

(a)

H	T	O
3	0	1
		$\times 3$
9	0	3

(b)

H	T	O
4	3	2
		$\times 2$
8	6	4

(c)

H	T	O
2	1	2
		$\times 4$
8	4	8

(d)

H	T	O
1	1	1
		$\times 5$
5	5	5

(e)

H	T	O
3	2	3
		$\times 2$
6	4	6

(f)

H	T	O
1	2	1
		$\times 4$
4	8	4

Mental Maths Corner



Fill in the blanks :

1. $35 \times 2 \times 5$ = ...
2. $4 \times 5 \times 25$ = ...
3. 57×10 = ...
4. $7 \times 10 \times 10$ = ...
5. $10 \times 1 \times 5 \times 10$ = ...
6. $72 \times 0 \times 5$ = ...
7. $11 \times 10 \times 1$ = ...



REVIEW EXERCISE

(According to NEP Guidelines)
(Understanding, Applying)

1. Choose the correct options.

- (a) There are 12 crayons in a packet. How many crayons are there in 5 such packets?

(i) 17

☐ (ii) 70

☐ (iii) 60



- (b) Simran buys 35 packets of pencils. If each packet has 6 pencils, how many pencils does she buy?

(i) 180

☐ (ii) 210

☒ (iii) 41



2. Multiply:

a

T	O
2	2
$\times$	3
66	

b

H	T	O
3	2	
	8	2
$\times$		4
328		

c

H	T	O
1	1	
	5	8
$\times$		2
116		

d

H	T	O
2	4	2
$\times$		2
484		

3. A maths book has 84 pages. How many pages will be there in 7 such books?
4. What is the sum of '8 times 10' and '9 times 9'?
5. Which is greater : Double of 78 or Three times of 55?