9.4 Simple Multiplication

Example 1:

6 times 4 equals 24.

Example 2:

9 times 5 equals 45.



Exercise

Multiply the following.

2 × 2 2 × 3

3 × 2

6 × 2

24 × 3

8. × 4.

9 × 2

4 × 3

3 × 5

× 4

7 × 10 ¥0 6 × 5

3 × 3

5 × 4

g.5 Multiplication: A 2-digit Number by a 1-digit Number

Example: Multiply 22 by 3.



Method:

Step 1 : Start with the ones. Multiply the ones by 3. 2 ones \times 3 ones = 6 ones. Write 6 under ones column.

Step 2: Multiply the tens by 3. 2 tens \times 3 ones = 6 tens. Write 6 under tens column.

Exercise

Multiply the following.

T О X

X

×

X

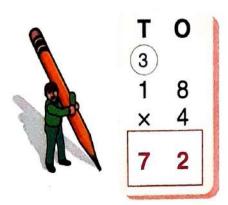
×

×

X

9.6 Multiplication : A 2-digit Number by a 1-digit Number (with carry over)

Example: Multiply 18 by 4.



Method:

Step 1 : Multiply the ones by 4.

8 ones × 4 ones = 32 = 3 tens and 2 ones.

Write 2 under ones column and carry over 3 tens to the tens column.

Step 2: Multiply the tens by 4.

1 ten × 4 = 4 tens. Add the tens
4 tens + 3 tens (carry over) = 7 tens.

Write 7 under tens column.

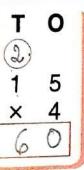
Ans. 72

Exercise

Multiply the following.

(1)		
2	6	
X	6 2 2	
5	2	
T	0	NAME AND
1	8	
×	8 3	1000
5	4	
VIGNETS DE	no-care	d.

T



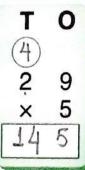
T	0
2	8
×	2_
5	6

T	0
2	7.
×	4
6	8

0
9
4
6

T	0
2	8
×	3
જ	4
TATAL STREET	

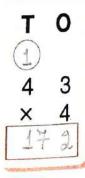
T	0
1	
3	7
×	2
7	4



(1)	
3	8
×	2

T	0
4	6
×	5
23	0
Serverance	

T	0
1	9
×	4
7	6



9.7 Multiplication: A 3-digit Number by a 1-digit Number Example: Multiply 234 by 2.

H 2 X 8 6

Method:

Step 1: Multiply the ones by 2.

 $4 \times 2 = 8$

Step 2: Multiply the tens by 2.

 $3 \times 2 = 6$

Step 3: Multiply the hundreds by 2.

 $2 \times 2 = 4$

Write the respective numbers in their

respective places.

Ans. 468

Exercise

Multiply the following.



4 3 X

1 1 55

H 2 1 2 ×

H 3 2 2 X

9.8 Multiply Orally and Write the Answer

1. Four multiplied by four

4x4=16

2. 12 times 5 equals

2 x5: 60

3. Two sevens are

2×7=14

4. One room has five fans in it. How many fans are there in four rooms?

12 4 (0

5×4=20

5. Seven boys are standing in a row. Each boy is holding two flags in his hands. How many flags are there in all?

7x2=14

6. There are four plates on a dining table. Each plate is having ten cupcakes in it. How many cupcakes are there in all?

4×10=40

7. A shirt has seven buttons. How many buttons do we need for four such shirts?

7×4=28

8. One notebook costs Rs 25. What will be the cost of three such notebooks?

25×3=75

9. A jug can hold three litres of water. How much water can eight such jugs hold?

3×8=24

10. There were two bookshelves with 45 books each. How many books are there in all?

45x2=90