

# Chapter – 6. Multiplication

## Auditory Activity

Number of ants = 10

Number of legs each ant has = 6

Total number of legs =  $10 \times 6 = 60$

The total number of legs all the ants have together is 60.

	T	O
	1	0
$\times$		6
	6	0

## Word Problems

9. a. Number of balloons in 1 packet = 84

Number of packets = 48

Total number of balloons =  $84 \times 48 = 4032$  balloons

Total 4032 balloons will be there in 48 packets.

	Th	H	T	O
			1	
			3	
			8	4
		$\times$	4	8
		6	7	2
$+$	3	3	6	
	4	0	3	2

- b. Number of pencils each child has = 2

Number of children = 150

Total number of pencils =  $2 \times 150 = 300$  pencils

There are 300 pencils in total.

H	T	O
1		
1	5	0
	$\times$	2
3	0	0

- c. Number of people per auditorium = 277

Number of auditoriums = 4

Total number of people =  $277 \times 4 = 1108$  people

Total 1108 people can watch movies in the theatre at one time.

Th	H	T	O
	3	2	
	2	7	7
		$\times$	4
1	1	0	8

- d. Number of petals in one flower = 5

Number of flowers = 1509

Total number of petals =  $5 \times 1509 = 7545$  petals

Total 7545 petals will be there in 1509 flowers.

Th	H	T	O
		2	
	1	5	0
		$\times$	5
7	5	4	5

- e. Amount paid by each child = ₹35  
 Number of children = 240  
 Total money paid = ₹35 × 240 = ₹8400  
 Total ₹8400 was paid in total.

	Th	H	T	O
		1		
		2	4	0
		×	3	5
	1	2	0	0
+	7	2	0	
	8	4	0	0

- f. Number of classrooms = 128  
 Number of students per classroom = 36  
 Total number of students = 128 × 36 = 4608 students  
 Total number of students in the school is 4608.

	Th	H	T	O
			2	
		1	2	8
		×	3	6
		7	6	8
+	3	8	4	
	4	6	0	8

### Learning better

- F. 1. Number of students in one class = 234  
 Number of such classes = 8  
 Total number of students = 234 × 8 = 1872  
 There are 1872 students in the school.

Th	H	T	O
	2	3	
	2	3	4
		×	8
1	8	7	2

2. Number of shirts made in one day = 1650  
 Number of days = 5  
 Total number of shirts = 1650 × 5 = 8250  
 The factory will make 8250 shirts in 5 days.

Th	H	T	O
	3	2	
	1	6	5
		×	5
8	2	5	0

3. Number of buses = 12  
 Number of students in each bus = 28  
 Total number of students = 12 × 28 = 336  
 Total 336 students went for the picnic.

	H	T	O
		1	
		1	2
		×	2
		9	6
+	2	4	
	3	3	6

TTh	Th	H	T	O
-----	----	---	---	---

4

6

4

6

1

4

7

×

9

9

1

3

2

3

+

1

3

2

3

1

4

5

5

3

4. Number of people who bought novels in the book fair = 147

Cost of each novel = ₹99

Total money spent =  $147 \times 99 = ₹14,553$

They spent ₹14,553 in all.

### Thinking better

Total number of classrooms = 4

Sets of paint required in each classroom = 7

Total distributed sets of paint =  $4 \times 7 = 28$  sets

Number of sets leftover after distribution = 5

Number of paints sets Anita had originally =  $28 + 5 = 33$

Anita had 33 paint sets originally.

H

T

O

4

×

7

2

8

2

8

+

5

3

3