SESSION : 12
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 6
CHAPTER NAME : MULTIPLICATION
SUBTOPIC : WORD PROBLEMS ON
MULTIPLICATION, Q.NO. 1 TO 4

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- **Enable the students to understand how to use the process of multiplication to solve the word problems.**

Solve this number puzzle?

Can You Solve This Number Puzzle..?

$$2 + 10 = 24$$
$$3 + 6 = 27$$
$$7 + 2 = 63$$
$$5 + 3 = ??$$

A) 40	B) 44
C) 60	D) 56

Solve the missing number puzzle?

Find the Missing Number

44	14	48
12	51	30
56	??	78

A) 58	B) 63
C) 78	D) 65

WORD PROBLEMS

1. **The cost of a toaster is Rs.1,750. A shop keeper bought 50 toasters for selling. How much did he pay for 50 toasters?**

ANSWER   The cost of a toaster = **Rs.1,750**

The cost of **50** toasters = **Rs.1,750 × 50**

= **Rs.87,500**

```
        1    7    5    0
   ×         5    0
   ─────────────────────
        0    0    0    0  ──→  1750 × 0
 +  8    7    5    0    0  ──→  1750 × 50
   ─────────────────────
    8    7,   5    0    0
   ─────────────────────
```

Thus, he paid Rs.**87,500** for 50 toasters.

WORD PROBLEMS

2. **A man bought 120 bags of apples. Each bag contains 2,121 apples. How many apples are there in all?**

ANSWER   Number of apples in each bag = **2,121**

Number of apples in 120 bags = **2,121 × 120**

= **2,54,520**

		2	1	2	1		
	×		1	2	0		
		0	0	0	0	→	2121 × 0
	4	2	4	2	0		→ 2121 × 20
+	2	1	2	1	0	0	→ 2121 × 100
	2,	**5**	**4,**	**5**	**2**	**0**	

So, **2,54,520** apples are there in all.
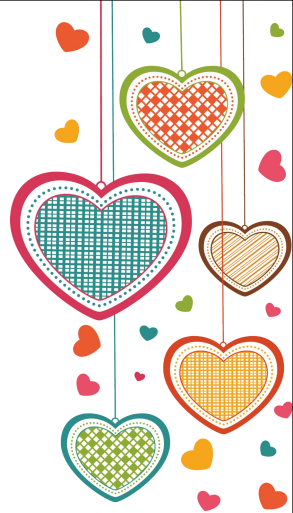
WORD PROBLEMS

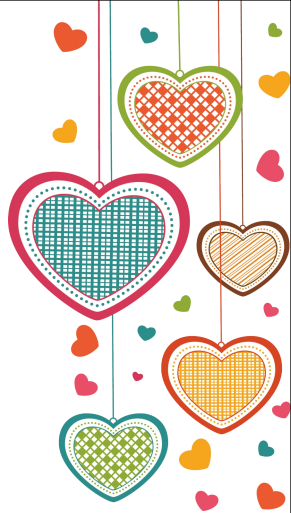3. **A shopkeeper sells 16,520 packets of milk. Each packet costs Rs.25. how much money did he get at the end?**

ANSWER Cost of each milk packet =Rs.**25**

The cost of 16,520 packets of milk = **Rs. 25 × 16,520**
= Rs.4,13,000

	1	6	5	2	0	
		×		2	5	
		①				
	8	2	6	0	0	→ 16520 × 5
+ ① 3	3	0	4	0	0	→ 16520 × 20
4,	1	3,	0	0	0	

Hence, the shopkeeper got Rs.**4,13,000** at the end.
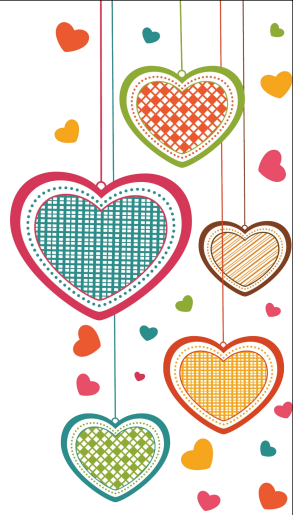
WORD PROBLEMS

4.   Mohan distributed toffees on his birthday. There were 8,552 students and   25 teachers whom he distributed 4 toffees each. How many toffees did he   distributed?

ANSWER   Number of students = **8,552**

Number of teachers = **25**

Total number of persons = **8552 + 25 =**

```
  8    5    5    2
+           2    5
─────────────────────
  8,   5    7    7
─────────────────────
```
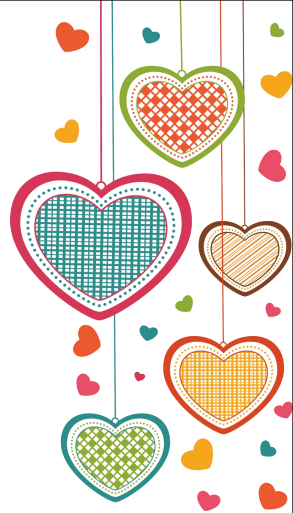
WORD PROBLEMS

Number of toffees distributed to each person = **4**

Total toffees distributed to **8,577** persons = **8577 × 4**

= **34,308**

$$
\begin{array}{r}
\overset{②}{8} \quad \overset{③}{5} \quad \overset{②}{7} \quad 7 \\
\times \qquad\qquad 4 \\
\hline
3 \quad 4, \quad 3 \quad 0 \quad 8
\end{array}
$$

Therefore, total **34,308** **toffees distributed** by him.

HOME ASSIGNMENT:

➢ **Do word problems on multiplication Q.NO. 5 & 6 in your notebook.**

LEARNING OUTCOME:

Students are able to understand how to use the process of multiplication to solve the word problems.

THANKING YOU
ODM EDUCATIONAL GROUP