SESSION : 7

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 5

CHAPTER NAME : OPERATIONS ON LARGER NUMBERS
SUBTOPIC : Multiplication of large numbers, Word problems
Exercise-5 B Q.NO. 3 to 7

LEARNING OBJECTIVE

Students will be able to use multiplication to solve word problems.

WORD PROBLEMS

3. A shopkeeper sold 215 mobile phones, each costing Rs. 15,675. Calculate the total money he has collected through the sale.

Solution:

Cost of one mobile phone = Rs.15,675

Cost of 215 mobile phones = Rs.15,675 × 215 = Rs.33,70,125

			1	5	6	7	5
x					2	1	5
			7	8	3	7	5
+		1	5	6	7	5	x
	3	1	3	5	0	x	x
	3	3	7	0	1	2	5

So, total money the shopkeeper has collected Rs.33,70,125 .

WORD PROBLEMS

4. A playground is 1,325 m long and 275 m wide. Find the area of the playground.

Solution:

Length of the playground = 1,325 m

Width of the playground = 275 m

Area of the playground = Length × Width = 1,325 m × 275 m

= 3,64,375 sq.m.

				1	3	2	5
x					2	7	5
				6	6	2	5
+			9	2	7	5	x
		2	6	5	0	x	x
		3	6	4	3	7	5

So, the area of the playground is 3,64,375 sq.m.

WORD PROBLEMS

5. A water tank has the capacity of 15,680 litres. Find the quantity of water in 125 such tanks.

Solution:

Capacity of one water tank = 15,680 litres

Quantity of water in 125 such tanks = 15,680 × 125 = 19,60,000 litres

		1	5	6	8	0
x				1	2	5
		7	8	4	0	0
+	3	1	3	6	0	x
1	5	6	8	0	x	x
1	9	6	0	0	0	0

So, the quantity of water in 125 such tanks is 19,60,000 litres .

WORD PROBLEMS

6. A public school has 3,127 students. If each student pays Rs.850 for their school excursion, calculate the amount of money collected by the school for the excursion.

Solution:

Each student pays = Rs. 850

Number of students in the school = 3,127

Total money collected =   Rs.850 x 3,127   = Rs.26,57,950

			3	1	2	7
x				8	5	0
			0	0	0	0
+		1	6	6	3	5	x
	2	5	0	1	6	x	x
	2	6	5	7	9	5	0

So, the amount of money collected by the school for the excursion is Rs.26,57,950 .

WORD PROBLEMS

7. A reputed firm has 2,37,118 employees. If the company pays Rs.750 per employee as New year bonus, how much money will be spent by the company?
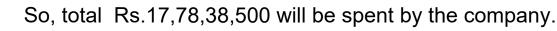
Solution:

Bonus each employee gets = Rs.750

Number of employees in firm = 2,37,118

Total money spent by the company = Rs.750 x 2,37,118 = Rs.17,78,38,500

				2	3	7	1	1	8
x							7	5	0
				0	0	0	0	0	0
+		1	1	8	5	5	9	0	x
	1	6	5	9	8	2	6	x	x
	1	7	7	8	3	8	5	0	0

So, total Rs.17,78,38,500 will be spent by the company.

LEARNING OUTCOME

Students can solve story sums by using multiplication.

HOME WORK
Complete exercise - 5 – B Q.No. 3 to 7 in the notebook.

THANKING YOU
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