

Worksheet-12 Subject: - Mathematics Class: - VI Teacher: - Mrs. Poonam Sunil

Name: _____ Class & Sec: _____ Roll No. _____ Date: 12.05.2020

Good Morning Students! Today we will continue with the last exercise sums. i.e. Ex 2.3 (First watch audio messages then note down) Ex 2.3

Q3: If the product of two number is 1, can we say that one or both of them will be 1? Justify through examples

Solution: We can say that product of two whole number is 1, if both of them will be 1.

Example: $1 \times 1 = 1$ (where both the number will be one only)

Q4: Find using distributive property:

a) 728×101

$$= 728 \times (100 + 1)$$

$$= 728 \times 100 + 728 \times 1$$

$$= 72800 + 728$$

$$= 73528 \text{ Ans.}$$

e) 5437×1001

$$= 5437 \times (1000 + 1)$$

$$= 5437 \times 1000 + 5437 \times 1$$

$$= 5437000 + 5437$$

$$= 5442437 \text{ Ans.}$$

b) 824×25

$$= 824 \times (20 + 5)$$

$$= 824 \times 20 + 824 \times 5$$

$$= 16480 + 4120$$

$$= 20600 \text{ Ans.}$$

f) 4275×125

$$= 4275 \times (100 + 25)$$

$$= 4275 \times 100 + 4275 \times 25$$

$$= 427500 + 106875$$

$$= 534375 \text{ Ans.}$$

c) 504×35

$$= 504 \times (30 + 5)$$

$$= 504 \times 30 + 504 \times 5$$

$$= 15120 + 2520$$

$$= 17640 \text{ Ans.}$$

Q3: Study the pattern:

$$1 \times 8 + 1 = 9$$

$$12 \times 8 + 2 = 98$$

$$123 \times 8 + 3 = 987$$

$$1234 \times 8 + 4 = 9876$$

$$12345 \times 8 + 5 = 98765$$

Write the next two steps. Can you say how the pattern works?

(Hint: $12345 = 11111 + 1111 + 111 + 11 + 1$)

$$\text{Solution: } 1 + 8 + 1 = 9$$

$$12 + 8 + 2 = 98$$

$$123 \times 8 + 3 = 987$$

$$1234 \times 8 + 4 = 9876$$

$$12345 \times 8 + 5 = 98765$$

$$123456 \times 8 + 6 = 987654$$

$$1234567 \times 8 + 7 = 9876543$$

Chapter 3: Playing with numbers

Introduction: Ramesh has 6 marbles with him. He wants to arrange them in rows in such a way that each row has the same number of marbles. He arranges them in the following ways and matches the total number of marbles.

i) 1 marble in each row

Number of rows = 6

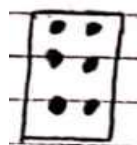
Total number of marble = $1 \times 6 = 6$



ii) 2 marbles in each row

number of rows = 3

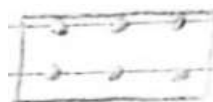
total number of marble = $2 \times 3 = 6$



iii) 3 marbles in each row

number of rows = 2

total number of marbles = $3 \times 2 = 6$



From these calculations Ramesh observe that 6 can be written as a product of two number in different ways. As $6 = 1 \times 6$; $6 = 2 \times 3$; $6 = 3 \times 2$; $6 = 6 \times 1$

From $6 = 2 \times 3$, we can say that 2 and 3 exactly divide 6, so 2 and 3 are exact division of 6.

From the other product $6 = 1 \times 6$, the exact divisions of 6 are 6 and 1.

They are called the factors of 6.

A factor of a number is an exact division of that number.

Today's class is over. I have explained you about factor. Next I will meet you on Friday. (Stay Safe and Stay healthy)

Maths HW: Revise chapter 2 for test (Next Week) Good Bye!