

SESSION : 10 CLASS : IV

SUBJECT : MATHEMATICS

**CHAPTER NUMBER: 10** 

CHAPTER NAME : FACTORS AND MULTIPLES

SUBTOPIC: MULTIPLES AND PROPERTIES OF

**MULTIPLES, EX-10 C** 

#### **CHANGING YOUR TOMORROW**

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# **LEARNING OBJECTIVE**

 Enable the students to understand the concept of multiples and their properties.



#### **Multiples**

$$5 \times 3 = 15$$

$$5 \times 4 = 20$$

$$5 \times 5 = 25$$

$$5 \times 6 = 30$$

$$5 \times 7 = 35$$

$$5 \times 8 = 40$$

$$5 \times 9 = 45$$

$$5 \times 10 = 50$$

Here, 5, 10, 15, 20, 25 and so on are all multiples of 5.

When we multiply **two given numbers**, their product is a multiple of **each of the numbers**.

Here,  $5 \times 6 = 30$ 

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Similarly,  $4 \times 7 = 28$ . here, 28 is a multiple of both 4 and 7.







**1.** The smallest multiple of a number is **the number itself**.







**2.** Every number is a multiple of **1**.

Every number is a multiple of itself.

(e.g.)  $1 \times 15 = 15$ . so, 15 is a multiple of 1 and 15.







**3. 0** is a multiple of every number.

$$25 \times 0 = 0$$
;  $36 \times 0 = 0.9 \times 0 = 0$ .

Thus, **0** is a multiple of every number.





4. Every (non-zero) multiple of a whole number is either greater than or equal to the number. (e.g.) multiples of 6 are 6, 12, 18, 24,....

The smallest multiples of 6 and the other multiples of 6 are greater than 6.







**5.** Multiples of a number are infinite (i.e.) they carry **on** and **on**.

e.g. multiples of **20** are **20**, **40**, **60**, **80**, ......





#### **Exercise 10(C)**

- **1.** Fill in the blanks:
  - (a) The multiples of a even number is always <u>even</u>.
  - (b) The multiple of an <u>odd</u> number may be odd or even.
  - (c) \_\_\_\_\_ is the whole number which is a multiple of every number.
  - (d) Every number is multiple of \_\_\_\_\_ and \_\_\_\_itself
  - (e) The multiples of any number are <u>infinite</u>.







### **Exercise 10(C)**

- **1.** Fill in the blanks:
  - (f) 18 is a multiple of 3 and \_\_\_\_\_\_6\_\_\_\_.
  - (g) 14 is a multiple of 2 and \_\_\_\_\_\_\_.
  - (h) 15 is a multiple of 5 and 3.
  - (i) The next multiple of 4 after 20 is \_\_\_\_\_\_
  - (j) The next multiple of 10 after 50 is 60







# Exercise 10(C)

**2.** Write the next six multiples of the following :





### Exercise 10(C)

**3.** Find three common multiples of the following :

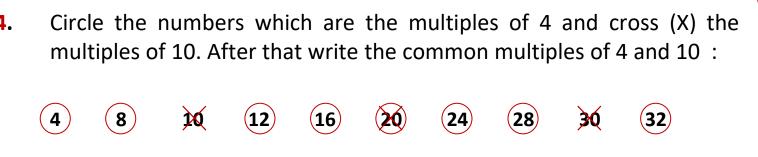






# Exercise 10(C)

4. multiples of 10. After that write the common multiples of 4 and 10:











# Exercise 10(C)

**5.** Circle the multiples of the given numbers:

6	6,	10,	18,	30)	32,	36)	40,	48,	54,	60,	72
3	18,	19,	21,	24)	28,	30,	31,	34,	36,	42	
11	22,	24,	28,	33)	44,	46,	51,	55,	62,	66	
15	30,	45,	49,	50,	55,	60,	64,	70,	75,	80,	85







### **HOME ASSIGNMENT:**

➤ Complete Exercise – 10 (C)in your note book.

# **LEARNING OUTCOME:**

Students are able to understand the concept of multiples and their properties.



# THANKING YOU ODM EDUCATIONAL GROUP

