4

Mathematics 4

Microlearning Module

QUARTER 3 – Module 6

Identifying the Multiples of a Given Number up to 100

Microlearning Module

REGION XII - DIVISION OF SULTAN KUDARAT

Mathematics 4
Microlearning Module (MLM)
Quarter 3 – Module 6: Identifying the Multiples of a Given Number up to 100
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MICROLEARNING MODULE

Name: _____Grade & Sec: _____Score: _____
Subject: Mathematics 4 Quarter: 3 MLM No. 6
Teacher: _____
Competency: Identify the multiples of a given number up to 100

A. Look Back!

I. Write a check (/) on the blank before the number if the number given is divisible by the number in the parenthesis and **X** if it is not divisible by that number.

__ 1. 95 (5)
__ 2. 81 (3)
__ 3. 66 (4)
__ 4. 93 (10)
__ 5. 18 (6)

II. Give the equivalent fraction of the following.

6. $\frac{3}{4}$ = _____
7. $\frac{4}{8}$ = _____
8. $\frac{2}{5}$ = _____
9. $\frac{2}{5}$ = _____
10. $\frac{1}{8}$ =_____

B. What's New?

Fill in the missing multiple of each given number.

1. 7 ⟶ 7, 14 ____, 28, 35,42,49,56,63,70
2. 9 ⟶ 9, ____, 27, 36, 45, 54, 63, 72, 81, 90
3. 4 ⟶ 4, 8,12,16, 20, 24, ____, 32, 36, 40
4. 2 ⟶ 2, 4, 6, 8,10, ____,14,16 18, 20, 22, 24, 26
5. 3 ⟶ 3, 6, 9, 12, 15, ____, 21,24,27,30
6. 5 ⟶ 5, 10, 15, 20, 25, 30, ____, 40, 45, 50
7. 6 ⟶ 6, 12, 18, 24, ____, 36, 42, 48, 54
8. 8 ⟶ 8, 16, 24, 32, ____, 48, 56, 62, 70
9. 12 ⟶ 12, 24, ____, 48, 70, 82, 94
10. 11 ⟶ 11, 22, 33, 44, ____, 66, 77, 88, 99

Answer the following questions:

1. What will you do if you want to master the multiplication table?
2. Can you give some tips on how to memorize or master the multiplication table?
3. Do you think it is important to master all the operations in Mathematics, especially in solving word problems? Why?
4. How do you apply the mastery of multiplication tables in your daily lives?

C. What Is It?

How will you identify the multiples of a given number?

To identify the multiples of a given number, you need to master and memorize the multiples of that number up to 100. You need to practice skip-counting numbers.

The following is an example of how to get the multiple of a number.

- To get the multiples of 7, just add 7 to every preceding sum to get the multiples or do the **Continuous Addition.**

7, 14, 21, 28, 35, 42....
+7 +7 +7 +7 +7

The multiples of any number are found by taking the product of any counting number and that given number. For example, to get the multiples of 2, multiply 2 by 1, 2 by 2, 2 by 3, and so on. To find the multiples of 4, multiply 4 by 1, 4 by 2, 4 by 3, and so on.

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

The product of 2 multiplied by the set of counting numbers are 2, 4, 6, 8, 10, 12, 14,16, and 18. These products are called **multiples**.
The set of multiples of 2 has no end.

More examples are given below for you to study:

Example 1. Find the multiples of 3

3 x 1 = 3 1st multiple of 3
3 x 2 = 6 2nd multiple of 3
3 x 3 = 9 3rd multiple of 3
and so on

Example 2. Find the 8th multiple of 12

12 x 8 = 96
or skip-counting by 12 ⟶ 12, 24, 36, 48, 60, 72, 84, 96

Example 3. Find the 12th multiple of 4

4 x 12 = 48
or skip-counting by 4 ⟶ 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, *48*

D. Let's try!

Directions: Write the first 5 multiples of the given number.

1. 6 ⟶ _____, _____, _____, _____, _____
2. 7 ⟶ _____, _____, _____, _____, _____
3. 8 ⟶ _____, _____, _____, _____, _____
4. 9 ⟶ _____, _____, _____, _____, _____
5. 13 ⟶ _____, _____, _____, _____, _____
6. 21 ⟶ _____, _____, _____, _____, _____
7. 23 ⟶ _____, _____, _____, _____, _____
8. 30 ⟶ _____, _____, _____, _____, _____
9. 33 ⟶ _____, _____, _____, _____, _____
10. 35 ⟶ _____, _____, _____, _____, _____

E. Let's Evaluate

Directions: Read and understand each question carefully. Encircle the letter of your correct answer.

1. What number is a multiple of 12?
   a. 12 b. 21 c. 34 d. 38

2. 9, 18, 27, 36, and 45 are multiples of what number?
   a. 7 b. 8 c. 9 d. 10

3. What is the sum of the 1st and 4th multiple of 20?
a. 80 b. 90 c. 100 d. 120

4. The 3rd multiple of 15 is____.
a. 15 b. 30 c. 45 d. 60

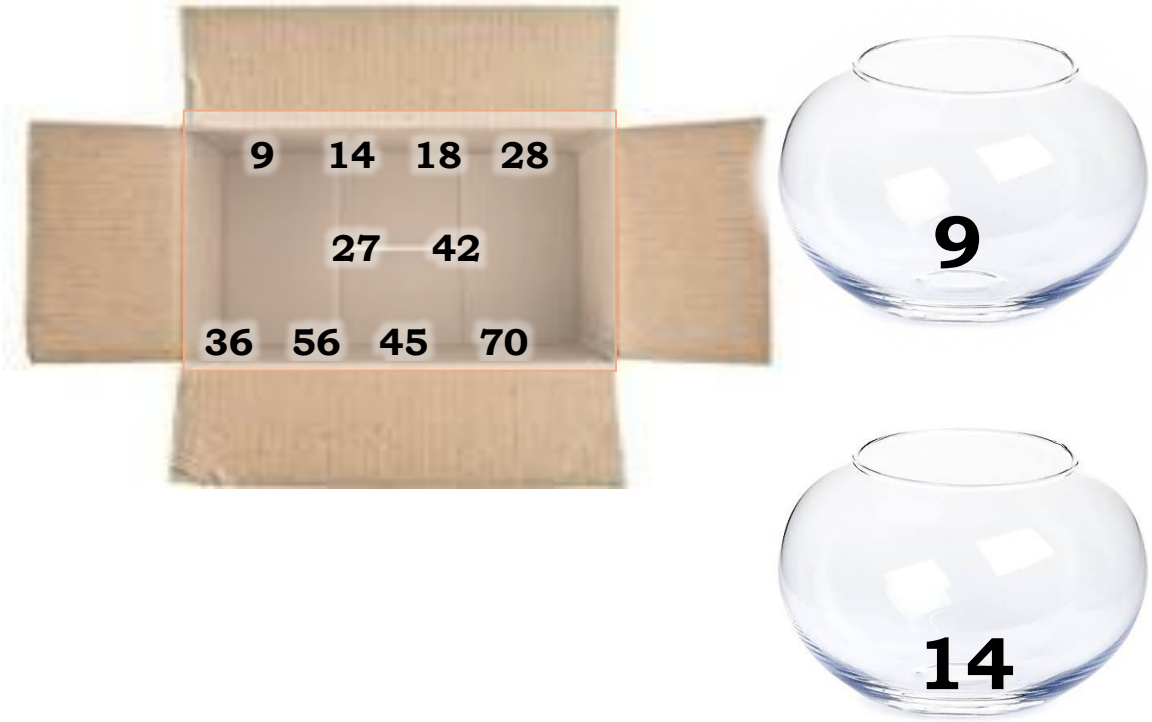
4. What is the sum of the 2nd and 5th multiple of 10?
a. 20 b. 40 c. 60 d. 70

Directions: Draw a square (▭) on the space before each item if the number in the parenthesis is a multiple of the given number and a triangle (△) if **not**.

____ 1. 4 (30)
____ 2. 15 (60)
____ 3. 11 (77)
____ 4. 4 (34)
____ 5. 10 (78)
____ 6. 9 (54)
____ 7. 12(42)
____ 8. 21(63)
____ 9. 4 (36)
____ 10. 12(72)

Challenge!!!

Directions: Write the multiples of the number in the fishbowl. Pick your answer from the numbers given in the box. (5 points for each bowl).



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This Microlearning Module has been developed by DepEd - Division of Sultan Kudarat for educational purposes only. It is designed to supplement classroom instruction and should not be used as the sole source of information. Teachers are encouraged to exercise their professional discretion and tailor the content to suit their students' individual needs.

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Grade 4 Mathematics Q3_LC6

Answer Key

Look Back

1. /
2. /
3. X
4. X
5. /
6-10. Answers vary

What's New

1. 21
2. 18
3. 28
4. 12
5. 18
6. 35
7. 30
8. 40
9. 36
10. 55

Let's Evaluate

A-1. a
2. c
3. c
4. c
5. d

B-1. Δ
2. □
3. □
4. □
5. Δ
6. □
7. Δ
8. Δ
9. □
10. □

Challenge

Let's Try

1. 6, 12, 18, 24,30
2. 7, 14, 21, 28, 34
3. 8, 16, 24, 32, 40
4. 9, 18, 27, 36, 45
5. 13, 26, 39, 52, 65
6. 21, 42, 63, 84, 105
7. 23, 46, 69, 92, 115
8. 30, 60, 90, 120, 150
9. 33, 66, 99, 132, 165
10. 35, 70, 105, 140, 175