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Learning Activity Sheet for Mathematics

IMPLEMENTATION OF THE MATATAG K TO 10 CURRICULUM

Worksheet for Mathematics Grade 7
Quarter 3: Lesson 4 (Week 4)
SY 2024-2025

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics		Quarter:	3
Lesson No.:	4		Date:	
Lesson Title/ Topic:	Representing Integers			
Name:			Grade & Section:	

I. **Activity No. 1:** Translate Me

II. **Objective:** The learners should be able to represent real-life situations as an integer.

III. **Materials Needed:** paper and pen

IV. **Instructions:**

   A. Write the following as integers.
   1. 25 feet below the surface   _____
   2. An altitude of 12,000 feet   _____
   3. A loss of 10 kilos   _____
   4. 15 degrees below zero   _____
   5. An increase of 2,000 pesos   _____
   6. A profit of 250 pesos   _____
   7. A descent of 20 meters   _____
   8. A rise of 8 feet   _____
   9. Gain of 8 kilos   _____
   10. A deposit of 5,000 pesos   _____

   B. Read the situation below and answer the question.

   Peter who is a traveler, visited the tourist spots in Bicol. He wanted to see the almost perfect cone of Mayon Volcano, which is approximately 8,077 ft above sea level, and the other tourist destinations in Bicol. The first spot he visited is the Mayon Skyline View Deck, which is located on the eastern side of Mayon and is approximately 2,700 ft above sea level. The Mayon Skyline is located in Tabaco City, one of the four (4) cities in Albay. He was amazed by the grand view of Albay and the Pacific Ocean.

   From the deck, he clearly sees the towering mountains of Malinao and Masaraga. On the east, he viewed the panoramic Tabaco Bay. The next destination of Peter was the beautiful city of Legazpi. It is the capital of Albay province which is located at the foot of Mayon volcano. Legazpi City is one of the most progressive cities in the Philippines, even though its location is two (2) meters below sea level during high tide. The last destination of Peter is the lovely place of Donsol Sorsogon where he experienced Whale Shark or *Butanding* watching. He perfectly sees the whale sharks as he dives 2.5 meters below the sea surface. How will you represent the following locations with respect to sea level using integers?

   1. Mayon Volcano

   2. Skyline View Deck

   3. Legazpi City

   4. Point where whale shark can perfectly be seen

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics		Quarter:	3
Lesson No.:	3		Date:	
Lesson Title/ Topic:	Representing Integers			
Name:			Grade & Section:	

I.   **Activity No. 2:** Where Do I Belong

II. **Objectives:** The learners should be able to:

1. locate integers on the number line;

2. compare integers; and

3. arrange integers in increasing or decreasing order.

III. **Materials Needed:** paper, pen, and straight edge

IV. **Instructions:**

A. Plot the following integers on the number line.

1. –3

2. 6

3. 0

4. –5

5. 10

B. Compare the following integers using the symbol < or >.

1. 5 ＿＿ –7

2. –2 ＿＿ 0

3. –5 ＿＿ –7

4. 1 ＿＿ –1

5. –10 ＿＿ –7

C. Arrange the following integers in increasing order and decreasing order.

1. –6, 5, 0, 12, –2

2. 3, –3, 5, 0, –8

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics		Quarter:	3
Lesson No.:	3		Date:	
Lesson Title/ Topic:	Integers			
Name:			Grade & Section:	

I. **Activity No. 3: Formative Assessment**

II. **Objectives:** The learners should be able to:

1. represent integers;
2. plot integers on the number line;
3. compare integers; and
4. arrange integers in increasing or decreasing order.

III. **Materials Needed:** paper, pen, and straight edge

IV. **Instructions:**

A. Represent the following as integers.

   1. Rising 5 units
   2. Profit of 500 pesos
   3. Debt of 200 pesos
   4. 10 feet below sea level
   5. An increase of 1000 points

B. Plot the following integers on the number line.

   1. −4
   2. 3
   3. −8
   4. 10
   5. −12

C. Compare the following using < or >.

   1. −4 ☐ −5
   2. 0 ☐ −3
   3. −8 ☐ 8
   4. −2 ☐ 0
   5. 7 ☐ −2

D. Arrange the following integers in a. increasing order and b. decreasing order.

   2, −3, 0, 7, 13, −15