



MATATAG

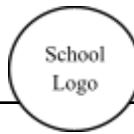
Bansang Makabata



Batang Makabansa



BAGONG PILIPINAS



School
Logo

Name of School:		Quarter:	4th Quarter
Grade Level & Section:	Grade 7	Week:	Week 8 Day 5
Subject:	MATHEMATICS	Date and Time:	
Topic:		Teacher:	

I. CONTENT, STANDARDS AND LEARNING COMPETENCIES		ANNOTATIONS
A. CONTENT STANDARDS	The learners should have knowledge and understanding of operations using scientific notation. (MG)	
B. PERFORMANCE STANDARDS	By the end of the quarter, the learners are able to write numbers in scientific notation and perform operations on numbers written in scientific notation.	
C. LEARNING COMPETENCIES	At the end of the lesson, the learners are expected to: 1. Write numbers in scientific notation to represent very large or very small numbers, and vice versa. 2. Perform operations on numbers expressed in scientific notation.	
I. CONTENT		
Writing numbers in scientific notations		
II. LEARNING RESOURCES		

A. REFERENCES		
B. OTHER LEARNING RESOURCES	<p>Dodds, C. (2012, February 6). Colin Dodds - Scientific Notation (Math Song) [Video]. YouTube. https://www.youtube.com/watch?v=AWof6knvQwE</p> <p>CK-12 Foundation. (n.d.). CK-12 Foundation. https://flexbooks.ck12.org/cbook/ck-12-conceptos-de-matem%C3%A1ticas-de-la-escuela-secundaria-grado-8-enespa%C3%B1ol/section/5.16/related/lesson/operations-with-numbers-in-scientific-notationmsm7/</p> <p>Operations with Scientific Notation (Addition, Multiplication, Subtraction of Numbers) - BYJUS. (2022, August 10). BYJU'S. https://byjus.com/us/math/operations-in-scientific-notation/</p>	
III. TEACHING AND LEARNING PROCEDURE		
BEFORE/PRE-LESSON PROPER		
ACTIVATING PRIOR KNOWLEDGE		
LESSON PURPOSE/INTENTION		
LESSON LANGUAGE PRACTICE		
DURING/LESSON PROPER		
READING THE KEY IDEA/STEM		
DEVELOPING and DEEPENING UNDERSTANDING OF		

THE KEY IDEA/STEM																
AFTER AFTER/POST-LESSON																
MAKING GENERALIZATI ONS AND ABSTRACTION S																
EVALUATING LEARNING	<p>Activity 6: Solve It!</p> <p>Instruction: Let the learners analyze and solve each problem. Present the rubrics of the activity to the class.</p> <p>1. Daniel’s computer hard disk drive holds 1.83×10^{12} bytes of information. If he buys an extra memory stick that holds 8×10^9 bytes of information, how much memory will the computer hold altogether? Express your answer in decimal form and in scientific notation.</p> <p>2. Abby is creating a mosaic in her guest room using square tiles. The width of the tile is 0.25 meters. If it took 670 tiles to cover the width of the guest room, how wide is it? Express your answer in scientific notation.</p> <p>Rubrics (Max of 5 points for each item)</p> <table><tr><th>Score</th><th>Indicator/s</th></tr><tr><td>5</td><td>Provided a complete solution with correct procedure and arrived at the correct answer.</td></tr><tr><td>4</td><td>Provided a complete solution with one incorrect procedure but still arrive at the correct answer.</td></tr><tr><td>3</td><td>Provided a partially completed the solution with 2-3 incorrect procedures and arrive at the correct answer.</td></tr><tr><td>2</td><td>Provided an incomplete solution with 1-2 correct procedures but did not arrive at the correct answer.</td></tr><tr><td>1</td><td>Provided an incomplete solution with an attempt to solve the problem but did not arrive at the correct answer.</td></tr><tr><td>0</td><td>Did not attempt to solve the problem.</td></tr></table>	Score	Indicator/s	5	Provided a complete solution with correct procedure and arrived at the correct answer.	4	Provided a complete solution with one incorrect procedure but still arrive at the correct answer.	3	Provided a partially completed the solution with 2-3 incorrect procedures and arrive at the correct answer.	2	Provided an incomplete solution with 1-2 correct procedures but did not arrive at the correct answer.	1	Provided an incomplete solution with an attempt to solve the problem but did not arrive at the correct answer.	0	Did not attempt to solve the problem.	<p>Refer to the provided rubrics in checking students’ solutions to the activity.</p> <p>Answer Key: a. 1 838 000 000 000 bytes and 1.838×10^{12} bytes b. 1.675×10^2 meters</p>
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ADDITIONAL ACTIVITIES FOR APPLICATION																

OR REMEDICATION (IF APPLICABLE)		
REMARKS		
REFLECTION		

Prepared by:

Subject Teacher
Teacher

Reviewed by:

Master Teacher/Head