JANUARY
Makugihon

FEBRUARY
Mahigugmaon

MARCH
Matinabangon

APRIL
Matinahuron

MAY
Mahapsay og Malinpyo

JUNE
Maabtik og Musunod sa Ihsaktong Oras

JULY
Maantigo og Maabilidad

AUGUST
Maginhunahunaon para sa Uban

SEPTEMBER
Madaginotan

OCTOBER
Matinud-anon

NOVEMBER
Masaligan

DECEMBER
Maalampuon

Republic of the Philippines
Department of Education
Regional Office IX, Zamboanga Peninsula

*Z*est for *P*rogress
*Z*eal of *P*artnership

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MATHEMATICS
4th QUARTER – Module 4:
SOLVING PROBLEM INVOLVING TIME

Name of Learner: _____

Grade & Section: _____

Name of School: _____

Mathematics – Grade 1
Alternative Delivery Mode
Quarter 4 - Module 4: SOLVING PROBLEM INVOLVING TIME
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Introductory Message

This Self – Learning Module (SLM) is prepared so that you, our dear learners, can continue your studies and learn while at home. Activities, questions, directions, exercises, and discussions are carefully stated for you to understand each lesson.

Each SLM is composed of different parts. Each part shall guide you step-by-step as you discover and understand the lesson prepared for you.

Pre-tests are provided to measure your prior knowledge on lessons in each SLM. This will tell you if you can proceed on completing this module or if you need to ask your facilitator or your teacher's assistance for a better understanding of the lesson. At the end of each module, you need to answer the post-test to self-check your learning. Answer keys are provided for each activity and test. We trust that you will be honest in using these.

In addition to the material in the main text, notes to the Teacher are also provided to our facilitators and parents for strategies and reminders on how they can best help you on your home-based learning.

Please use this module with care. Do not put unnecessary marks on any part of this SLM. Use a separate sheet of paper in answering the exercises and tests. Read the instructions carefully before performing each task.

If you have any questions in using this SLM or any difficulty in answering the tasks in this module, do not hesitate to consult your teacher or facilitator.

Thank you.

What I Need to Know

This module was written as an aid in the lesson of the fourth quarter of grade 1 Mathematics. The module follows a step-by-step to solve problems involving time, days in a week, months in a year, hours, half-hour and quarter-hour. (M1ME-IVb-4)

It covers the key concepts of solving problems involving time, days in a week, months in a year, hours, half-hour and quarter-hour.

Believe that learning can continue amidst health crises. Good luck, stay safe and God Bless.

What I Know

Directions: Choose the letter that corresponds to your answer. Write your answer on a separate sheet.

1. How many days are there in a week?

   A. 5 days   **B.** 7 days   **C.** 10 days

2. How many months are there in a year?

   A. 12 months   **B.** 11 months   **C.** 10 months

3. How many days are there in a year?

   A. 265 days   **B.** 165 days   **C.** 365 days

4. How many hours does it take to make a day?

   A. 60   **B.** 30   **C.** 24

5. Which time shows a quarter past the hour of 3 in the afternoon?

   A. 3:15 p.m.   **B.** 2:00 p.m.   **C.** 4:30 a.m.

LESSON	SOLVING PROBLEM INVOLVING TIME

What's In

Directions: Read the problem. Then, answer the questions on a separate sheet.

> **Nelai was given 3 - month vacation leave from her work. She went home to her province last February. What month will she return?**

1. What is asked in the problem?
2. What are the given facts in the problem?
3. How will you solve the problem?
4. What is the correct answer?

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What's New

Directions: Read each situation. Then, answer the questions on a separate sheet.

> **Joseph will visit his grandmother. He packed his things yesterday. He will leave tomorrow. Today is Tuesday.**

1. What day did Joseph pack his things?
2. What day will he leave to visit his grandmother?

> **Abegail started doing her homework at 6: 00 P.M. She finished at 8:00 P.M.**

3. How many hours did it take Abegail to finish her homework?

What is It

Steps in Solving Routine Word Problem

UNDERSTAND
- Know what the problem asked
- Know the given facts

PLAN
- Determine the operation to use
- Write the number sentence

SOLVE
- Show the solution to the problem

CHECK AND LOOK BACK
- Check if the answer is reasonable
- State the complete answer

What's More

Directions: Read and solve the problems below. Write your answer on a separate sheet.

1. Brian was absent from school for two days because he was sick. He returned to school on Friday. On which two days of the week did he not go to school?
2. Jojo was born in January. Rosa was born 3 months after Jojo. What is the birth month of Rosa?
3. The hour hand points between 12 and 1 and the minute's hand points at 6. What time is it?
4. The clock's shorthand points passed 3. Its long hand points at 3. What time could it be?

What I Have Learned

Directions: Read the given problem and the questions that follow on a separate sheet.

> Katrina visits her grandmother every Saturday. She spends 2 hours in her grandmother's home in every visit. This week, she arrived at her grandmother's home at 10:00 a.m. What time did she leave her grandmother's house?

1. What is asked in the problem?
2. What are the given facts?
3. What is the correct answer?

What I Can Do

Directions: Read and answer the questions. Write your answer on a separate sheet.

1. Last March, Mother bought a new bag for Ronaldo. She planned to give it to him on Christmas day. What month is it?
2. Noah's birthday is November 2, 2020. Amanda's birthday is ten days after Noah's birthday. On what month is Amanda's birthday?
3. Almira arrived in school at 6:30 A.M. She left her house thirty minutes ago. What time did she leave her house?

Assessment

Directions: Read and answer the following problems. Write your answer on a separate sheet.

1. March 1, 2020 falls on a Sunday. Saldo's birthday is on the fourth Monday of March 2020. On which date is Saldo's birthday?
2. Last August was sunny for twenty– one days and rainy for the rest of the month. How many rainy days were there?
3. Mely gets a haircut on the last Sunday of every month. In December 2020, when will Mely get a haircut?
4. Ana went to school at 7:00 A.M. She went home at 4:00 P.M. How long was she in school?
5. Amy read her book at 6:00 P.M. she finished in half an hour. What time did she finish reading?
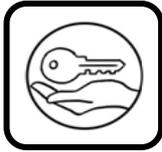
Answer Key

What I Know:

1. B   2. A   3. C   4. C   5. A

What's In:

1. What month will Nelai return to her work?
2. 3 months, last February
3. List down the months of the year then look for the month of February then count 3 months onward
4. May

What's New:

A. 1. Monday   2. Wednesday

B. 2 hours

What's More:

1. Wednesday and Thursday   2. April   3. 45 minutes   4. 6:00 p.m.

What I Can Do: What I Have Learned:

1. What time did she leave her grandmother house?
2. 2 hours and 10:00 a.m.
3. 12:00 p.m.

What I Can Do:

1. December   2. Thursday   3. 6:00 a.m.

Assessment:

1. March 23 2. 10   3. 45 minutes   4. 9 hours   5. 6:30

References:

Ellen T. Ongdueco, et.al. Soaring 21st Century Mathematics 1 Quezon City Phoenix Publishing House Inc. 2017.

Francis E. Altillo, et.al. Global Mathematics 1 Quezon City The Library Publishing House Inc. 201.