

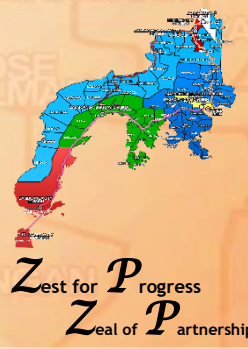
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- DECEMBER**
Maalampon



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



3



MATHEMATICS

4th QUARTER – Module 1: CONVERTING TIME MEASURE



Name of Learner: _____

Grade & Section: _____

Name of School: _____

Mathematics – Grade 3
Alternative Delivery Mode
Quarter 4 - Module 1: CONVERTING TIME MEASURE
First Edition, 2020

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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 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

LEARNING COMPETENCY:

The learner visualizes, represents, and converts time measure:

- from seconds to minutes, minutes to hours, hours to a day and vice versa
- days to week, months to year and vice versa
- weeks to month and years and vice versa
- months to year and vice versa.



What I Know

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

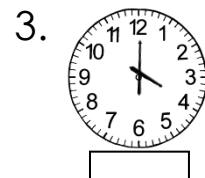
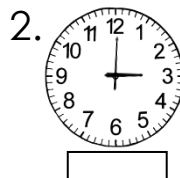
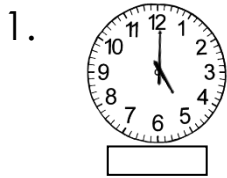
1. There are _____ hours in 120 minutes.
A. 2 hours B. 3 hours C. 4 hours D. 5 hours
2. How many hours do we have in a day?
A. 18 hours B. 24 hours C. 10 hours D. 1 hour

3. How many hours do we have in 300 minutes?
A. 8 hours B. 4 hours C. 10 hours D. 5 hours
4. How many months are there in a year?
A. 8 months B. 4 months C. 12 months D. 60 months
5. How many weeks are there in 14 days?
A. 2 weeks B. 4 weeks C. 1 week D. 3 weeks



What's In

Directions: Write the time below each clock. Write your answer on a separate sheet.



LESSON 1

CONVERTING DAYS AND HOURS, HOURS AND MINUTES, MINUTES AND SECONDS



What's New

Directions: Answer the following questions. Write your answers on a separate sheet.

- 1) How many weeks are there in 14 days?
- 2) How many hours are there in 120 minutes?
- 3) How many years are there in 24 months?
- 4) How many years are there in 730 days?



What is It

Time is defined as an ongoing and continuous sequence of events that occurs in succession, from the past through the present to the future.

The units for measuring time are seconds (sec), minutes (min), hours (hr) and days (d).

When you **convert time**, remember the following:

1 day = 24 hours 1 hour = 60 minutes 1 minute = 60 seconds



What's More

Directions: Convert to shorter or longer time units. Write your answers on a separate sheet.

- 1) 240 hours = ___ days
- 2) 6 minutes = ___ seconds
- 3) 120 seconds = ___ minutes
- 4) 120 hours = ___ days



What I Have Learned

- **To convert seconds to minutes, divide the number of seconds by 60.**
EXAMPLE: 180 seconds = ___ minutes
 $180 \text{ seconds} \div 60 = \underline{3} \text{ minutes}$
- **To convert minutes to seconds, multiply the number of minutes by 60.**
EXAMPLE: 3 minutes = ___ seconds
 $3 \text{ minutes} \times 60 = \underline{180} \text{ seconds}$
- **To convert minutes to hours, divide the number of minutes by 60.**
EXAMPLE: 180 minutes = ___ hours
 $180 \text{ minutes} \div 60 = \underline{3} \text{ hours}$
- **To convert hours to minutes, multiply the number of hours by 60.**
EXAMPLE: 3 hours = ___ minutes
 $3 \text{ hours} \times 60 = \underline{180} \text{ minutes}$
- **To convert the number of hours to days, divide the number of hours by 24.**
EXAMPLE: 72 hours = ___ days
 $72 \text{ hours} \div 24 = \underline{3} \text{ days}$
- **To convert the number of days to hours, multiply the number of days by 24.**
EXAMPLE: 3 days = ___ hours
 $3 \text{ days} \times 24 = \underline{72} \text{ hours}$



What I Can Do

Directions: Answer the following problems.

- 1) Your classmate walks to school for 900 seconds. How many minutes does it take for him to reach the school?
- 2) During a program, Sandra danced for 3 minutes. How many seconds did it take for her to dance?

- 3) Ana stays in Zamboanga City for work for 5 days every week, then returns home to rest. For how many hours does she spend in Zamboanga City for work?

LESSON 2

CONVERTING DAYS, WEEKS, MONTHS AND YEARS



What is It

The year, month, week, and day are some other units of time.

Listed below are the conversion of units of measurement for telling time.

1 Day = 24 hours

1 Week = 7 Days

1 Month = 30 Days

1 Year = 12 months

1 Year = 52 weeks

1 Year = 265 Days (except on a leap year with 366 days)

Always take note that every 4th year is a leap year. A leap year has 366 days.



What's More

Directions: Convert the indicated units. Write your answers on a separate sheet.

1) 21 days = _____ weeks

3) 4 years = _____ days

2) 26 weeks = _____ months

4) 365 days = _____ year



What I Have Learned

- **To convert days to weeks, divide the number of days by 7.**

21 days = _____ weeks

21 days \div 7 = 3 weeks

- **To convert weeks to days, multiply the number of weeks by 7.**

3 weeks = _____ days

3 weeks \times 7 = 21 days

- **To convert days to months, divide the number of days by 30.**

90 days = _____ months

90 days \div 30 = 3 months

- **To convert months to days, multiply the number of months by 30.**

$$3 \text{ months} = \underline{\quad} \text{ days}$$

$$3 \text{ months} \times 30 = \underline{90} \text{ days}$$

- **To convert days to years, divide the number of days by 365.**

$$1\,095 \text{ days} = \underline{\quad} \text{ years}$$

$$1\,095 \text{ days} \div 365 = \underline{3} \text{ years}$$

- **To convert years to days, multiply the number of years by 365.**

$$3 \text{ years} = \underline{\quad} \text{ days}$$

$$3 \text{ years} \times 365 = \underline{1\,095} \text{ days}$$



What I Can Do

Directions: Answer the following problems.

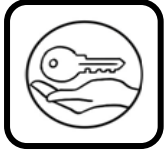
- 1) Carlo stayed in Cebu for 120 days. How many months did he stay there?
- 2) Jenny is exactly 45 years old. How old is she in days?



Assessment

Directions: Convert the indicated units and write only the letter of the correct answer on your answer sheet.

- 1) How many seconds are there in 18 minutes?
A) 1 080 B) 180 C) 108 D) 100
- 2) How many minutes are there in 720 seconds?
A) 12 B) 13 C) 14 D) 15
- 3) How many days are there in 72 hours?
A) 1 B) 2 C) 3 D) 4
- 4) The Ramos family went on vacation for 5 weeks. How many days were they on vacation?
A) 42 days B) 41 days C) 40 days D) 35 days
- 5) James enrolled in his piano lesson for 24 months. How many years was his piano lesson?
A) 9 years B) 1 year C) 2 years D) 3 years
- 6) Karen joined the tournament for 52 weeks. How many years did she spend in the tournament?
A) 1 year B) 2 years C) 3 years D) 4 years



Answer Key

What I Know: (1) A (2) B (3) D (4) C (5) A

What's In: (1) 5:00 (2) 3:00 (3) 4:00

What's New: A. (1) 2 weeks (2) 2 hours (3) years (4) 2 years

What's More: Lesson 1 (1) 10 days (2) 360 seconds (3) 2 minutes (4) 5 days
Lesson 2 (1) 3 weeks (2) 6 months (3) 1 460 days (4) 1 year

What I Can Do: Lesson 1 (1) 15 minutes (2) 180 seconds (3) 120 hours
Lesson 2 (1) 4 months (2) 16 425 days

Assessment: 1.A 2.A 3.C 4.D 5.C 6.A

References:

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Ofelia G. Chingcuangco et. al., Mathematics-Grade 3 Learner's Material. Pasig City: Philippine Rex Books Store Inc., 2015, 248-251