

5

Lesson Exemplar for Mathematics 5

Quarter 1

Lesson

2

Lesson Exemplar for Mathematics Grade 5
Quarter 1: Lesson 2 Week 2
SY 2024-2025

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Every care has been taken to ensure the accuracy of the information provided in this material. For inquiries or feedback, please write or call the Office of the Director of the Bureau of Learning Resources via telephone numbers (02) 8634-1072 and 8631-6922 or by email at blr.od@deped.gov.ph.

MATHEMATICS/QUARTER 1/ GRADE 5

I. CURRICULUM CONTENT, STANDARDS, AND LESSON COMPETENCIES	
A. Content Standards	The learner should have knowledge and understanding of world time zones
B. Performance Standards	The learners will be able to compare the time zones with the time in the Philippines. (MG)
C. Learning Competencies and Objectives	<ol style="list-style-type: none">1. Compare the time in different world time zones to the time in the Philippines using a world time zone map.2. Solve problems on comparing the time in different world time zones to the time in the Philippines.
C. Content	Comparing world time zones Solving word problems on comparing world time zones
D. Integration	Valuing time/Time Management Global Interconnectedness Cultural Appreciation

II. LEARNING RESOURCES
<p><i>Absolute Values.</i> BYJU's. https://byjus.com/maths/absolute-values/</p> <p><i>Daylight saving time.</i> IBM. (2023, October 10). https://www.ibm.com/docs/en/i/7.3?topic=concepts-daylight-saving-time</p> <p><i>International time zones and time differences.</i> Mathspace. https://mathspace.co/textbooks/syllabuses/Syllabus-812/topics/Topic-18338/subtopics/Subtopic-246438/?activeTab=theory</p> <p><i>List of Time Zones.</i> Timezonedb. https://timezonedb.com/time-zones</p> <p>Mears, L. (2022, August 26). <i>World clock: What is it and how does it work?</i> Space.com. https://www.space.com/world-clock</p> <p><i>Number Line Drawing Tool.</i> GeoGebra. https://www.geogebra.org/m/jzznyzq7</p>

Personal World Clock. Timeanddate. <https://www.timeanddate.com/worldclock/personal.html>

Standard Time Zones of the World. Kiddle. https://kids.kiddle.co/images/8/88/World_Time_Zones_Map.png

Time Zones. Loudoun County Public Schools. <https://www.lcps.org/cms/lib4/VA01000195/Centricity/Domain/2540/Time%20Zones.pdf>

Time zone facts for kids. Kiddle. https://kids.kiddle.co/Time_zone

What is a Time Zone? Timeanddate. <https://www.timeanddate.com/time/time-zones.html>

World Time Zone Map. Britannica Kids.

<https://kids.britannica.com/students/assembly/view/166703#:~:text=The%20world%20is%20divided%20into,time%20at%20the%20Greenwich%20meridian.>

52 Places to go in 2024. The New York Times. <https://www.nytimes.com/interactive/2024/travel/places-to-travel-destinations-2024.html>

III. TEACHING AND LEARNING PROCEDURE

NOTES TO TEACHERS

A. Activating Prior Knowledge

DAY 1

1) Short Review

Let us review converting 12-hour and 24-hour time.

Complete the table so that the time given in the 12-hour time column will equal the time shown in the 24-hour column.

<i>12-Hour Time</i>	<i>24-Hour Time</i>
7:08 AM	
10:40 PM	
	00:21
	17:25
	01:43

DAY 1

Before completing the table, the teacher may ask the learners to enumerate the steps in converting 12-hour time to 24-hour time and vice versa.

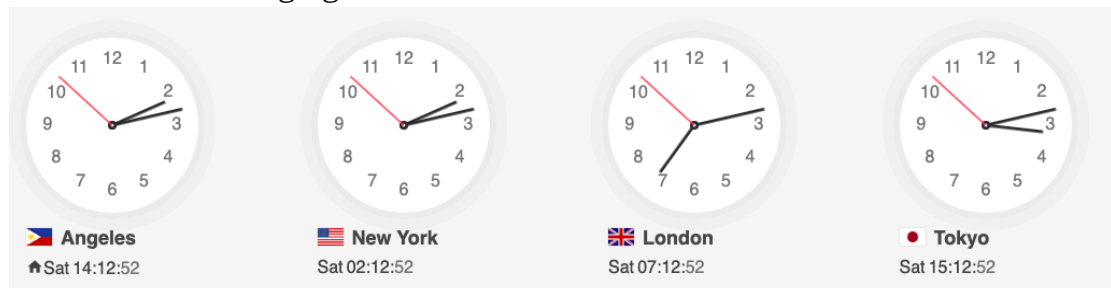
Answers:
07:08
22:40
12:21 AM
5:25 PM
1:43 AM

B. Establishing Lesson Purpose

DAY 1 - 2

1) Lesson Purpose

Have you been to an airport, office, or house where you see clocks with different times hanging on the wall?



Reference: <https://www.timeanddate.com/worldclock/personal.html>

Have you ever wondered what they are for and why they display different times?

Different countries follow different time zones. These clocks show the time in some parts of the world.

If it is 14:12 or 2:12 PM on Saturday in Angeles City, Philippines, what time and day is it in New York? London? Tokyo?

2) Unlocking Content Area Vocabulary

- A **time zone** is a region where the same standard time is adopted.
- According to Britannica Kids, the world is divided into **24 time zones**. Each time zone is approximately **15 degrees longitude wide and corresponds to one hour**.
- **Coordinated Universal Time**, or **UTC**, formerly known as Greenwich Mean Time (GMT), is the world's time standard.
- Time zones are based on how far they are behind or ahead of the Greenwich Mean Time (GMT) or Coordinated Universal Time (UTC). The **GMT zone is the reference point and is considered to be 0**. Countries located **west of the Prime Meridian are behind the GMT and use a negative (-) GMT/UTC**, while countries situated **east are ahead of GMT and use a positive (+) GMT/UTC**.

Real-time world clocks can be accessed here:

<https://www.timeanddate.com/worldclock/personal.html>

If it is 14:12 or 2:12 PM on Saturday in Angeles City, Philippines, it is 02:12 or 2:12 AM in New York, 07:12 or 7:12 AM in London, and 15:12 or 3:12 PM in Tokyo, all on a Saturday.

C. Developing and Deepening Understanding

SUB-TOPIC 1: COMPARE THE TIME IN DIFFERENT WORLD TIME ZONES TO THE TIME IN THE PHILIPPINES USING A WORLD TIME ZONE MAP.

1) Explicitation

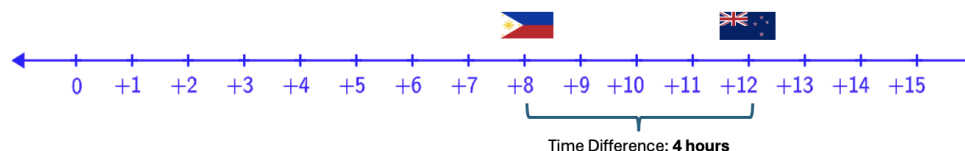
Let us read and analyze the given word problem.

Rapha was the Champion in his school's recently held Math Quiz Bee. He would like to share this achievement with his uncles who live in Auckland, New Zealand. He intends to call them at 4:00 PM, Philippine time. What time will Rapha's uncles receive his call from the Philippines in Auckland, New Zealand?

To answer this, let us look at the world time zone map.

- The world time zone map indicates that the Philippines is in UTC + 8 while Auckland, New Zealand, is in UTC +12.
- This means that there is a 4-hour difference between the Philippines and Auckland. Specifically, Auckland is 4 hours ahead of the Philippine Time Zone.

Let us illustrate the time difference between two locations using a number line.



If Rapha intends to call his uncles at 4:00 PM, Philippine time, what time is that in Auckland, New Zealand?

Solution:

The time difference between Philippines and Auckland is 4 hours. Therefore, 4:00 P.M in the Philippines corresponds to 8:00 pm in Auckland, New Zealand.

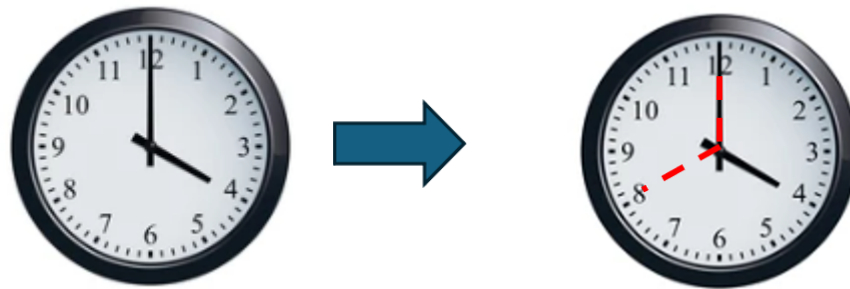
The teacher may show a copy of the world time zone map which may be accessed in these link:

- [https://kids.kiddle.co/images/8/88/World Time Zones Map.png](https://kids.kiddle.co/images/8/88/World_Time_Zones_Map.png)

Using a number line to illustrate the time difference can be an effective way for learners to understand the concept and the necessary steps to calculate time differences accurately.

The teacher may add that some countries have more than one time zone, such as the United States, Canada, Russia, Australia, etc.

The Philippines has only one time zone, meaning, all places in the country observe the same time.



SOME ADDITIONAL CONCEPTS RELATED TO WORLD TIME ZONES.

It takes 24 hours for the Earth to rotate on its axis, which makes one day. Since it rotates 360 degrees within 24 hours, it rotates approximately 15 degrees per hour. Hence, the world has 24 time zones.

As mentioned earlier, time zones are based on how far they are behind or ahead of the Greenwich Mean Time (GMT) or Coordinated Universal Time (UTC). The **GMT zone is the reference point and is considered to be 0**. Countries located **west of the 0° Longitude or Prime Meridian are behind the GMT and use a negative (-) GMT/UTC**, while countries situated **east are ahead of GMT and use a positive (+) GMT/UTC**. This means that moving towards the west of Greenwich would require us to set our clocks back to an earlier time while moving towards the east would require us to set our clocks to a later time.



https://kids.kiddle.co/images/8/88/World_Time_Zones_Map.png



REFERENCE POINT (zero degree)

Information on Daylight Saving Time (DST) may also be elaborated. According to IBM, Daylight saving time (DST) is the portion of the year in which a region's local time is advanced from its standard official time. The local time typically changes by one hour, but the actual amount is controlled by the DST shift value of the time zone description.

For more information on DST, you may access this link: <https://www.ibm.com/docs/en/i/7.3?topic=concepts-daylight-saving-time>

When identifying the UTC of different countries/cities, the teacher must guide the learners in locating the places from the world time zone map. The teacher can display the world time zone map on a projector or TV, or distribute printed copies among the learners, whichever is practicable. The map can be accessed through this link:

2) **Worked Example**

Ask the learners to use a world time zone map or the teacher may provide a big copy posted on the board via powerpoint presentation or a photocopy pasted on manila paper.

The following steps must be emphasized while discussing the solution of each example.

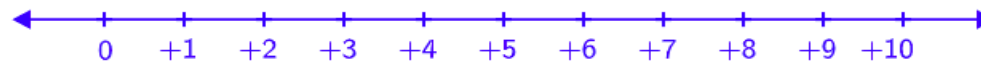
1. Identify the UTC of the given locations.
2. For locations on the same side of the prime meridian, either to the west or to the east, subtract the Coordinated Universal Time (UTC) of the given locations.
3. For locations on opposite sides of the prime meridian, one to the west and the other to the east, add the **respective distances** from the prime meridian.
4. To determine the equivalent time in another location given the Philippine time, add the calculated time difference to the given Philippine time when the UTC of another location is ahead of the Philippines' UTC. Conversely, if the UTC of another location is behind the Philippines' UTC, subtract the calculated time difference from the given Philippine time

Example 1: If it is 10:00 AM, Monday in the Philippines, what time and day is in the following places?

- a. Johannesburg, South Africa
- b. Seoul, South Korea
- c. Lima, Peru

Solutions:

- a. Philippines (UTC +08:00)
Johannesburg, South Africa (UTC +02:00)



$$8 - 2 = 6$$

- [https://kids.kiddle.co/images/8/88/World Time Zones Map.png](https://kids.kiddle.co/images/8/88/World_Time_Zones_Map.png)

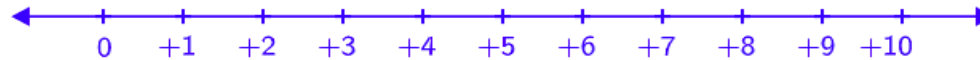
Aside from the world time zone map, a table of UTC may also be utilized. Please note that some UTCs listed in the table are adjusted due to DST. This can be accessed here: <https://timezonedb.com/time-zones>

The teacher is encouraged to use an analog clock (or improvised clock) to illustrate the solutions on time differences.

The Philippines and Johannesburg, South Africa, have a 6-hour difference. Specifically, Johannesburg, South Africa's time is 6 hours behind the Philippine time.

Subtract 6 hours from 10:00 AM. Hence, if it is 10:00 AM Monday in the Philippines, it is **4:00 AM Monday in Johannesburg, South Africa.**

- b. Philippines (UTC +08:00)
Seoul, South Korea (UTC +9:00)

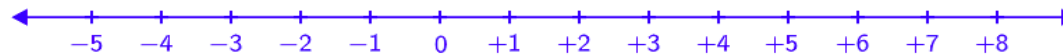


$$9 - 8 = 1$$

The Philippines and Seoul, South Korea, have an hour difference. Specifically, the time in Seoul, South Korea is 1 hour ahead of the Philippine time.

Add 1 hour to 10:00 AM. Hence, if it is 10:00 AM Monday in the Philippines, it is **11:00 AM Monday in Seoul, South Korea.**

- c. Philippines (UTC +08:00)
Lima, Peru (UTC -05:00)



$$5 + 8 = 13$$

The Philippines and Lima, Peru have a 13-hour difference. Specifically, time in Lima, Peru is 13 hours behind the Philippine time.

Subtract 13 hours from 10:00 AM. Hence, if it is 10:00 AM on Monday in the Philippines, it is **9:00 PM, Sunday in Lima, Peru.**

Example 2: If it is 9:30 PM on Friday in the Philippines, what time and day is it in the following places?

For locations on opposite sides, the teacher may clarify that both numbers are considered positive values when adding the distances from the prime meridian (0).

In passing only, the teacher may mention that this particular concept is known as the absolute value of a number.

Materials needed:

- Paper and pen
- World time zone map
- Worksheet

In case the world time zone map is not available, the teacher may use a table of UTC of different countries/cities.

**Answers in the Lesson
Activity 1:**

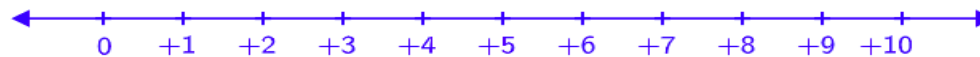
- Singapore
- Bangkok, Thailand
- Sao Paulo, Brazil
- Sydney, Australia

Solutions:

- Philippine (UTC +08:00)
Singapore (UTC +08:00)

Since the Philippines and Singapore are in the same time zone and have the same UTC, they observe the same time. Hence, 9:30 PM on Friday in the Philippines is **9:30 PM on Friday in Singapore.**

- Philippine (UTC +08:00)
Bangkok, Thailand (UTC +07:00)

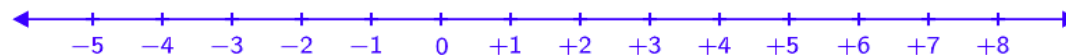


$$8 - 7 = 1$$

The Philippines and Bangkok, Thailand have an hour difference. Specifically, the time in Bangkok, Thailand is an hour behind the Philippine time.

Subtract 1 hour from 9:30 PM. Hence, if it is 9:30 PM on Friday in the Philippines, it is **8:30 PM, Friday in Bangkok, Thailand.**

- Philippine (UTC +08:00)
São Paulo, Brazil (UTC -03:00)



$$3 + 8 = 11$$

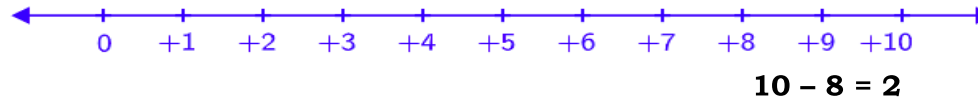
The Philippines and Sao Paulo, Brazil have an 11-hour difference. Specifically, the time in Sao Paulo, Brazil is 11 hours behind the Philippine time.

Country/ City	UTC	Time Difference with PH	If it is 7:45 AM on Tuesday in the Philippines, what time and day is it in _____?	If it is 4:30 PM on Saturday in the Philippines, what time and day is it in _____?
Prague, Czech Republic	UTC +02:00	6 hours	1:45 AM, Tuesday	10:30 AM, Saturday
Puerto Rico	UTC - 04:00	12 hours	7:45 PM, Monday	4:30 AM, Friday
Auckland, New Zealand	UTC +12:00	4 hours	11:45 AM, Tuesday	8:30 PM, Saturday
Reykjavik, Iceland	UTC +00:00	8 hours	11:45 PM, Monday	8:30 AM, Saturday
Rome, Italy	UTC +02:00	6 hours	1:45 AM, Tuesday	10:30 AM, Saturday
Ho Chi Minh, Viet Nam	UTC +07:00	1 hour	6:45 AM, Tuesday	3:30 PM, Saturday
Hong Kong	UTC +08:00	0	7:45 AM, Tuesday	4:30 PM, Saturday
Tokyo, Japan	UTC +09:00	1 hour	8:45 AM, Tuesday	5:30 PM, Saturday
Switzerland	UTC +02:00	6 hours	1:45 AM, Tuesday	10:30 AM, Saturday
Buenos Aires, Argentina	UTC - 03:00	11 hours	8:45 PM, Monday	5:30 AM, Friday

After showing the pictures of different travel destinations

Subtract 11 hours from 9:30 PM. Hence, if it is 9:30 PM on Friday in the Philippines, it **is 10:30 AM, Friday in Sao Paulo, Brazil.**

- d. Philippine (UTC +08:00)
Sydney, Australia (UTC +10:00)



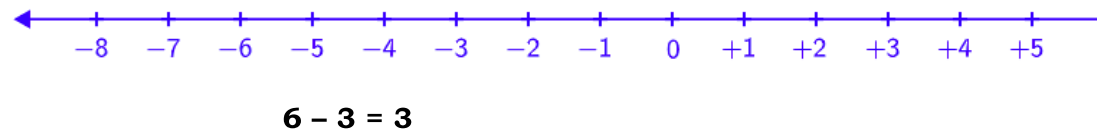
The Philippines and Sydney, Australia, have a 2-hour difference. Specifically, the time in Sydney, Australia is two hours ahead of the Philippine time.

Add 2 hours to 9:30 PM. Hence, if it is 9:30 PM on Friday in the Philippines, it **is 11:30 PM Friday in Sydney, Australia.**

Example 3: If it is 17:00, Tuesday in Mexico City, Mexico, what time and day is it in Buenos Aires, Argentina?

Solution:

Buenos Aires, Argentina (UTC -03:00)
Mexico City, Mexico (UTC -06:00)



Buenos Aires, Argentina and Mexico City, Mexico, have a 3-hour difference. Specifically, the time in Buenos Aires, Argentina is 3 hours ahead of Mexico City, Mexico time.

Add 3 hours to 17:00. Hence, if it is 17:00 on Tuesday in Mexico City, Mexico, it **is 20:00 Tuesday in Buenos Aires, Argentina.**

3) Lesson Activity Activity 1

listed by the New York Times, the teacher may ask these questions:

- Which of the places shown would you like to visit someday?
- Why would you want to visit the place/s someday?
- What other places would you like to see? Why?
- Do you think these places have different time zones?
- What are the advantages of traveling or visiting different places, whether nearby, within the Philippines, or internationally?

The teacher may give emphasis on the following:

- Traveling helps us learn about other cultures, appreciate other people better, learn new things, and understand diversity.
- We can see the world in a broader context.

The teacher may provide learners with a world time zone map or a table of time zones for different countries and cities.

Refer to the Worksheets for the activity which the students will accomplish.

DAY 3 - 4

SUB-TOPIC 2: SOLVE PROBLEMS ON COMPARING THE TIME IN DIFFERENT WORLD TIME ZONES TO THE TIME IN THE PHILIPPINES.

1) Explicitation

Before presenting the pictures of different travel destinations, the teacher will ask the learners the following questions:

- Aside from your hometown, what places have you visited already?
- What other places in the Philippines would you like to see? Why?
- Aside from local destinations, have you considered traveling to an international destination someday?

Did you know that the New York Times listed 52 travel destinations for 2024? Let's take a peek at some of them. Who knows, we may visit one someday.



Thessaloniki, Greece



Paris, France



Mustang, Nepal



Dresden, Germany

Additionally, the teacher must review the steps for calculating the time difference and comparing it with Philippine time before working on the problem.

Steps:

1. Identify the UTC of the given locations.
2. For locations on the same side of the prime meridian, either to the west or to the east, subtract the Coordinated Universal Time (UTC) of the given locations.
3. For locations on opposite sides of the prime meridian, one to the west and the other to the east, add the **respective distances** from the prime meridian.
4. To determine the equivalent time in another location given the Philippine time, add the calculated time difference to the given Philippine time when the UTC of another location is ahead of the Philippines' UTC. Conversely, if the UTC of another location is behind the Philippines' UTC, subtract the calculated time difference from the given Philippine time



Paris, France is UTC +02:00 in some references. Check info on Daylight Saving Time (DST).

Edmonton, Canada is UTC -06:00 while Chicago, USA is UTC -05:00 in some references. Check info on Daylight Saving Time (DST).

2) Worked Example

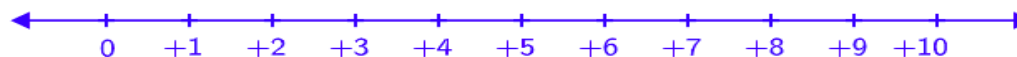
Let us answer the examples of word problems on world time zones.

Example 1: Kate, who lives in Manila, Philippines, wants to call her friend Elmer, who lives in Riyadh, Saudi Arabia. If Kate calls Elmer at 3:00 PM, Tuesday, Philippine time, what day and time is it in Riyadh, Saudi Arabia?

Solution:

Manila, Philippines (UTC +08:00)

Riyadh, Saudi Arabia (UTC +03:00)



$$8 - 3 = 5$$

The Philippines and Riyadh, Saudi Arabia, have a 5-hour difference. Specifically, Riyadh, Saudi Arabia time is 5 hours behind the Philippine time.

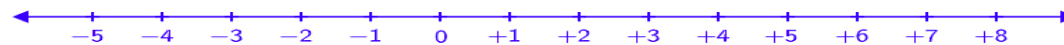
Subtract 5 hours from 3:00 PM. Hence, if it is 3:00 PM Tuesday in the Philippines, it **is 10:00 AM, Tuesday in Riyadh, Saudi Arabia.**

Example 2: Dr. Mallari has been invited to deliver a keynote speech for an international webinar. The participants live in Colombia. The webinar begins at 9:30 PM, Wednesday, Philippine Time. What day and time will it be for the participants in Colombia?

Solution:

Philippines (UTC +08:00)

Columbia (UTC -05:00)



$$5 + 8 = 13$$

The Philippines and Colombia have a 13-hour difference. Specifically, the time in Colombia is 13 hours behind the Philippine time.

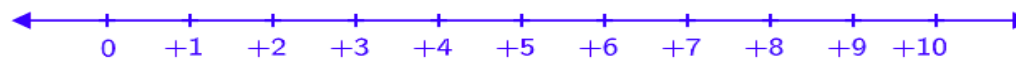
Subtract 13 hours from 9:30 PM. Hence, if it is 9:30 PM on Wednesday in the Philippines, it **is 8:30 AM, Wednesday in Colombia.**

Example 3: Suppose a flight departs from Manila at 10:00 PM on a Monday, Philippine Time and arrives in Paris after a 17-hour journey. What day and time will it be in Paris upon arrival?

Solution:

Philippines (UTC +08:00)

Paris, France (UTC +01:00)



$$8 - 1 = 7$$


The Philippines and Paris, France have a 7-hour difference. Specifically, the time in Paris, France is 7 hours behind the Philippine time.

Subtract 7 hours from 10:00 PM. Hence, if it is 10:00 PM on Monday in the Philippines, it is 3:00 PM, Monday in Paris, France.

To make this activity more engaging, the teacher may ask volunteers to show their answers on the board and discuss with the class how they got the correct answers.

Answers Activity 2:

1. 7:00 PM, December 31, 2024 in Moscow, Russia
2. The team in Tokyo will join at 2:00 PM on Wednesday, while the team in Cambodia will join at 12:00 PM on Wednesday.
3. 3:00 AM on Saturday in Guam
4. Rapha will arrive in Perth, Australia, at 1:35 PM on Monday.
5. Yoona will call her Ma'am at 6:30 PM Philippine time.

	<p>Since Manila to Paris is a 17-hour journey, add 17 hours to 3:00 PM. The flight will arrive in Paris, France at 8:00 AM, Tuesday.</p> <p>Example 4: A multinational corporation with headquarters in Cebu, Philippines, is organizing a video conference with its branches in Edmonton, Canada (UTC -07:00), and Chicago, USA (UTC -06:00). If the video conference is scheduled for 4:30 PM on Wednesday, Philippine Time, what day and time will it be for the branches in Edmonton and Chicago?</p> <p>Solution: Cebu, Philippines (UTC +08:00) Edmonton, Canada (UTC -7:00) Chicago, USA (UTC -06:00)</p> <p style="text-align: center;">Edmonton – Cebu $7 + 8 = 15$</p>  <p style="text-align: center;">Chicago – Cebu $6 + 8 = 14$</p> <p><i>Edmonton – Cebu</i> Cebu, Philippines and Edmonton, Canada have a 15-hour difference. Specifically, the time in Edmonton, Canada is 15 hours behind the Philippine time. Subtract 15 hours from 4:30 PM. Hence, if it is 4:30 PM on Wednesday in Cebu, Philippines, it is 1:30 AM, Wednesday in Edmonton, Canada.</p> <p><i>Chicago – Cebu</i> Cebu, Philippines and Chicago, USA have a 14-hour difference. Specifically, the time in Chicago, USA is 14 hours behind the Philippine time. Subtract 14 hours from 4:30 PM. Hence, if it is 4:30 PM on Wednesday in Cebu, Philippines, it is 2:30 AM, Wednesday in Chicago, USA.</p> <p>3) Lesson Activity 2 Refer to the Worksheets for the activity which the students will accomplish.</p>	
A. Making Generalizations	<p>1) Learners' Takeaways The teacher will guide the pupils in completing this table.</p>	The teacher may incorporate values such as:

	Key Ideas/Concepts	What I've Learned from the Discussion	Concepts that are Somewhat Confusing	Concepts I Totally Don't Understand	<ul style="list-style-type: none">• Time management/valuing time• global interconnectedness• cultural appreciation
	Comparing the time in different world time zones to the time in the Philippines using a world time zone map.				
	Solving problems on comparing the time in different world time zones to the time in the Philippines.				
	2) Reflection on Learning The learners will complete the given statements. <i>The lesson in the world time zone is essential because _____.</i> <i>Understanding world time zones also helps me appreciate _____.</i>				

IV. EVALUATING LEARNING: FORMATIVE ASSESSMENT AND TEACHER’S REFLECTION					NOTES TO TEACHERS																														
A. Evaluating Learning	<div>DAY 5</div> <div>1. Formative Assessment</div> <div>Activity 3</div> <div>Refer to the Worksheets for the activity which the students will accomplish.</div> <div>Answers for Activity 3:</div> <div>A.</div> <table><thead><tr><th>Country/ City</th><th>UTC</th><th>Time Difference relative to PH</th><th>If it is 5:15 AM on Monday in the Philippines, what time and day is it in _____?</th><th>If it is 11:00 PM on Friday in the Philippines, what time and day is it in _____?</th></tr></thead><tbody><tr><td>Jakarta, Indonesia</td><td>UTC +07:00</td><td>1 hour</td><td>4:15 AM, Monday</td><td>10:00 PM, Friday</td></tr><tr><td>Melbourne, Australia</td><td>UTC +10:00</td><td>3 hours</td><td>8:15 AM, Monday</td><td>2:00 AM, Saturday</td></tr><tr><td>Caracas, Venezuela</td><td>UTC - 04:00</td><td>12 hours</td><td>5:15 PM, Sunday</td><td>11:00 AM, Friday</td></tr><tr><td>Shanghai, China</td><td>UTC +08:00</td><td>0</td><td>5:15 AM, Monday</td><td>11:00 PM, Friday</td></tr><tr><td>Paris, France</td><td>UTC +01:00</td><td>7 hours</td><td>10:15 PM, Sunday</td><td>4:00 PM, Friday</td></tr></tbody></table>				Country/ City	UTC	Time Difference relative to PH	If it is 5:15 AM on Monday in the Philippines, what time and day is it in _____?	If it is 11:00 PM on Friday in the Philippines, what time and day is it in _____?	Jakarta, Indonesia	UTC +07:00	1 hour	4:15 AM, Monday	10:00 PM, Friday	Melbourne, Australia	UTC +10:00	3 hours	8:15 AM, Monday	2:00 AM, Saturday	Caracas, Venezuela	UTC - 04:00	12 hours	5:15 PM, Sunday	11:00 AM, Friday	Shanghai, China	UTC +08:00	0	5:15 AM, Monday	11:00 PM, Friday	Paris, France	UTC +01:00	7 hours	10:15 PM, Sunday	4:00 PM, Friday	
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	<div>B.</div> <div>1) They will arrive in Seoul at 11:05 AM.</div> <div>2) 10:30 AM, Monday</div> <div>3) 9:00 AM, Wednesday</div> <div>4) August 2, 2024, 8:00 AM</div>				<div>The teacher will provide the learners with a copy of the world time zone map or a table of countries and their time zones.</div> <div>Note that London, United Kingdom is UTC +01:00 while Vancouver, Canada is UTC -07:00 in some references. Check info on Daylight Saving Time (DST).</div>																														

B. Teacher's Remarks	<i>Note observations on any of the following areas:</i>	Effective Practices	Problems Encountered	<p>The teacher may take note of some observations related to the effective practices and problems encountered after utilizing the different strategies, materials used, learner engagement and other related stuff.</p> <p>Teachers may also suggest ways to improve the different activities explored/lesson exemplar.</p>
	strategies explored			
	materials used			
	learner engagement/ interaction			
	others			
C. Teacher's Reflection	<p><i>Reflection guide or prompt can be on:</i></p> <ul style="list-style-type: none"> ▪ <u>principles behind the teaching</u> <i>What principles and beliefs informed my lesson?</i> <i>Why did I teach the lesson the way I did?</i> ▪ <u>students</u> <i>What roles did my students play in my lesson?</i> <i>What did my students learn? How did they learn?</i> ▪ <u>ways forward</u> <i>What could I have done differently?</i> <i>What can I explore in the next lesson?</i> 			<p>Teachers's reflection in every lesson conducted/facilitated is essential and necessary to improve practice. You may also consider this as an input for the LAC/Collab sessions.</p>