

Learning Strand 3 Mathematical and Problem Solving Skills **PERCENTAGE**

Accreditation and Equivalency (A&E) Program Module



Book Record

School:_____ District:_____

Division:_____ Region:_____ Date Received by School:_____

To the Learner

Use the table below by following the instructions:

1. Write your name clearly under the column **Name of Borrower**.
2. Use the following letters in recording the **condition** of the book before and after borrowing:

A. New

C. Used Book in Fair Condition

B. Used Book in Good Condition

D. Used Book in Poor Condition

Name of Borrower	Date Issued	Condition	Date Returned	Condition

Take Care of Your Book

Dos:

1. Cover your book using a plastic cover, manila paper, old newspaper, or magazine.
2. Be sure your hands are clean when you handle or turn the pages.
3. When using a book for the first time, lay it on its back and open only a few pages at a time.
4. Use a piece of paper or cardboard for bookmarks.
5. Paste or tape any torn pages immediately. Always take care of damaged books.
6. Handle the book with care when passing from one person to another.
7. Always keep your book in a clean, dry place.
8. When your book is lost, report it to your teacher right away.

Don'ts:

1. Please do not fold the pages.
2. Please do not write on the cover or pages.
3. Please do not cut out any pictures.
4. Please never detach or tear any page.
5. Please do not leave it open or lying face down when not in use.
6. Please do not use pencils, ballpens, or thick objects as bookmarks.
7. Please do not force the book into a packed schoolbag.
8. Please do not use it to cover your head when it is raining.
9. Please do not sit on it.

Elementary

Learning Strand 3
Mathematical and Problem Solving Skills
PERCENTAGE



Accreditation and Equivalency (A&E) Program Module

Learning Strand 3 - Elementary
Alternative Learning System
Percentage
First Edition, 2023

Republic Act 8293, section 176 states that: No copyright shall subsist in any work of the Government of the Philippines. However, prior approval of the government agency or office wherein the work is created shall be necessary for exploitation of such work for profit. Such agency or office may, among other things, impose as a condition the payment of royalties.

Borrowed materials (i.e., songs, stories, poems, pictures, photos, brand names, trademarks, etc.) included in this book are owned by their respective copyright holders. Every effort has been exerted to locate and seek permission to use these materials from their respective copyright owners. The publisher and authors do not represent nor claim ownership over them.

Published by the Department of Education

Secretary: Sara Z. Duterte-Carpio

Undersecretary: Gina O. Gonong

Development Team of the Module

Writer:	Ana Katrina C. Parel
Reviewers:	Eduardo E. Legantin, Antonio L. Palma Gil Rainelda M. Blanco
Illustrators:	Ana Katrina C. Parel Anna Katherine B. Doroja
Layout Artist:	Rona F. de la Torre
Management Team:	Bureau of Alternative Education (BAE) Bureau of Learning Resources (BLR) Regional Office NCR Schools Division of Caloocan City

User's Guide

For the ALS Learner:

This module was designed to provide you with fun and meaningful opportunities for guided and independent learning at your own pace and time. You will be enabled to process the contents of the learning resource while being an active learner.

This module has the following parts and corresponding icons:



What Is This Module About?

This will give you an idea of the skills or competencies you are expected to learn in the module.



Let's See What You Already Know

This part includes an activity that aims to check what you already know about the lesson. If you get all the answers correct (100%), you may decide to skip



What Will You Learn from This Module?

This contains objective/s or the learning competencies in a lesson. This may include a brief rationale on what you will learn.



Let's Do This

This part gives instruction to the learner to perform the activity/ies as mentioned-above to ensure learning the competencies or the objectives.



Let's Study and Analyze

This section provides a brief discussion of the lesson. This aims to help you discover and understand new concepts and skills.



Let's Try This

This comprises activities for independent practice to solidify your understanding and skills of the topic. You may check the answers to the exercises using the Answer Key at the end of the module.



Let's See What You Have Learned

This section provides an activity that will help you transfer your new knowledge or skill in real-life situations or concerns.



Let's Remember and Review

This contains key concepts taken from all the lessons covered in every module.



Explore More

This is an activity in a form that increase the strength of the response and tends to induce repetitions of actions/learning.



What Have You Learned?

This is a task which aims to evaluate your level of mastery in achieving the given learning competency.



Answer Key

This contains answers to all activities in the module.

Glossary

This portion gives information about the meanings of the specialized words used in the module.

Reference

This is a list of all sources used in developing this module.

The following are some reminders in using this module:

1. Use the module with care. Do not put unnecessary mark/s on any part of the module. Use a separate sheet of paper in answering the exercises.
2. Don't forget to answer the Pre-assessment before moving on to the other activities included in the module.
3. Read the instruction carefully before doing each task.
4. Observe honesty and integrity in doing the tasks and checking your answers.
5. Finish the task at hand before proceeding to the next.
6. Return this module to your ALS Teacher/Instructional Manager/Learning Facilitator once you are through with it.

If you encounter any difficulty in answering the tasks in this module, do not hesitate to consult your ALS Teacher/Instructional Manager/Learning Facilitator. Always bear in mind that you are not alone.

We hope that through this material, you will experience meaningful learning and gain deep understanding of the relevant competencies. You can do it.

Contents

What Is This Module About?	1
Let's See What You Already Know	1
Changing Percent to Decimals and Vice-versa	2
What Will You Learn from This Module?	2
Let's Solve This Problem	2
Let's Study and Analyze	3
Let's Try This	4
Let's See What You Have Learned	5
Let's Remember and Review	5
Changing Percent to Fractions and Vice-versa	6
What Will You Learn from This Module?	6
Let's Solve This Problem	6
Let's Study and Analyze	8
Let's Try This	8
Let's See What You Have Learned	9
Let's Remember and Review	10
Percent and Percentage	10
What Will You Learn from This Module?	10
Let's Solve This Problem	11
Let's Study and Analyze	12
Let's Try This	14
Let's See What You Have Learned	15
Let's Remember and Review	15
What Have You Learned?	16
Answer Key	17
Glossary	17
References	18



What Is This Module About?

This module was designed and written with you in mind. It is here to help you learn about percentage. The scope of this module permits it to be used in many different learning situations. The language used recognizes the diverse vocabulary level of learners. The lessons are arranged to follow the standard sequence of the course. **(LS3MP-NN-PSB-AE-119)**



Let's See What You Already Know

Directions: Read, analyze, and solve each of the following items. Write the letter of the correct answer on a separate sheet of paper.

1. What is 10% of 150?
A. 30 B. 25 C. 20 D. 15
2. What is 15% of 120?
A. 18 B. 20 C. 22 D. 24
3. 25 is 20% of what number?
A. 115 B. 120 C. 125 D. 130
4. 12 is 48% of what number?
A. 15 B. 20 C. 25 D. 30
5. Change 47% to a decimal.
A. 0.47 B. 0.047 C. 0.0047 D. 0.00047
6. Change 0.08 to a percent.
A. 0.8% B. 8% C. 80% D. 800%
7. Change 75% to a fraction.
A. $\frac{3}{4}$ B. $\frac{7}{5}$ C. $\frac{5}{7}$ D. $\frac{1}{3}$
8. Change $\frac{15}{25}$ to a percent.
A. 55% B. 60% C. 65% D. 70%

9. Mang Mando bought 50 plants for his farm, of which 12 are pineapples. What percent of plants are pineapples?
A. 15% B. 18% C. 21% D. 24%
10. You bought 10 sachets of shampoo that cost P62.50. The salesclerk told you that if you bought a dozen of shampoo, you would save P12.00. What percent was your discount in buying a dozen sachet of shampoo?
A. 12.50% B. 16% C. 19.20% D. 40%

Lesson 1

Changing Percent to Decimals and Vice-versa



What Will You Learn from This Module?

After going through this module, you are expected to convert percent to decimals and vice versa

The module is divided into three lessons, namely:

Lesson 1 – Changing Percent to Decimals and Vice-versa

Lesson 2 – Changing Percent to Fractions and Vice-versa

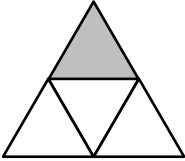
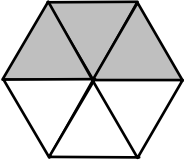
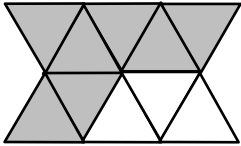
Lesson 3 – Identifying Percent and Percentage



Let's Solve This Problem

Percentage is part of your daily life. You may encounter it while shopping at the mall, bargaining for the price of a product in the market or computing for the service fee at a restaurant. It is important to know how to change percent to decimals because there are instances when you don't have a calculator or mobile phone that you use for computation.

Directions: Write in percent and fraction forms the shaded portion of the following figures. Write your answers on a separate sheet of paper.

	Percentage	Fraction
	_____ %	_____
	_____ %	_____
	_____ %	_____



Let's Study and Analyze

Changing Percent to Decimal

Study and analyze the previous sample problem.

Sample Problem: Grandmother asked you to buy 10 pieces of hypertension medicine at P35.00 each. How much would you pay upon availing of the 20% senior citizen discount?

If you change 20% senior citizen discount to decimal form, follow the steps below.

Step 1: Change the percent to fraction.

$$20\% \rightarrow \frac{20}{100}$$

Step 2: Divide the numerator by the denominator.

$$\frac{20}{100} \rightarrow 100 \overline{)20} \rightarrow 0.2$$

Once you get the decimal form, you may continue to solve the problem by following the steps below.

Step 1: Multiply the price per piece by the total number of medicines.

$$\frac{P35.00}{\cancel{\text{piece}}} \times \frac{10 \cancel{\text{pieces}}}{1} = P350.00$$

Step 2: Multiply the total amount of medicine to 0.2.

$$P350.00 \times 0.2 = P70.00$$

Step 3: Subtract from the total amount of medicine.

$$P350.00 - P70.00 = P280.00$$

Changing Decimal to Percent

Study and analyze the steps in changing decimals to percent.

Example:

Step 1: Multiply the decimal by 100.

$$0.2 \times 100 = 20$$

Step 2: Affix the percent sign.

$$20\%$$



Let's Try This

Activity 1: Changing Percent to Decimal

Directions: Change the given percent to decimal form. Write your answers on a separate sheet of paper.

1. 76% _____
2. 33% _____
3. 12% _____
4. 5% _____
5. 31% _____

Activity 2: Changing Decimal to Percent

Directions: Change the given decimals to percent forms. Write your answers on a separate sheet of paper.

1. 0.17 _____
2. 0.35 _____
3. 0.09 _____
4. 0.41 _____
5. 0.88 _____



Let's See What You Have Learned

Directions: Fill in the table with the missing values. Write your answers on a separate sheet of paper.

Percent	Decimal
1.	0.67
6.6%	2.
29%	3.
16%	4.
5.	0.78



Let's Remember and Review

Directions: Write the percent and the decimal forms. Write your answers on a separate sheet of paper.

1. There were 10 out of 50 learners who voted for Mina as class president.
Percent = _____ % Decimal = _____
2. The survey shows that 15 out of 20 people know how to use chopsticks.
Percent = _____ % Decimal = _____
3. Out of the 80 teachers in the seminar, only 24 of them brought their laptops.
Percent = _____ % Decimal = _____

4. There were 95 ALS learners who attended the meeting, 19 of whom arrived two hours earlier.

Percent = _____ %

Decimal = _____

5. Sheila interviewed 10 single mothers and found out that only three were not supported by their children's biological fathers.

Percent = _____ %

Decimal = _____

Lesson

2

Changing Percent to Fractions and Vice-versa



What Will You Learn from This Module?

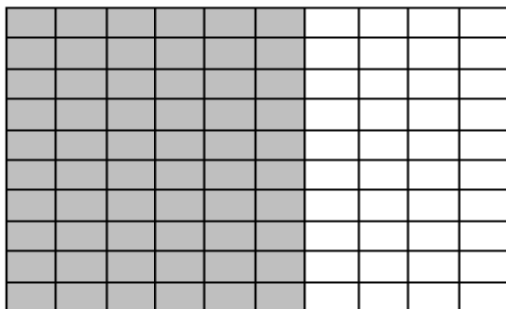
After going through this module, you are expected to convert percent to fractions and vice versa (**LS3MP-NN-PSB-AE-120**).



Let's Solve This Problem

Sample Problem: In the recent election, 60% of club members voted for Sam as the president. What fraction indicates the members who voted for Sam with respect to the total number of club members?

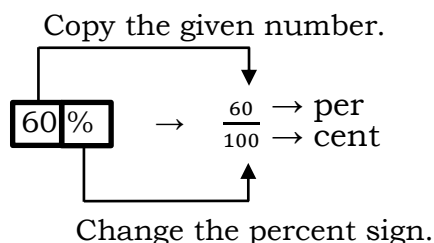
The figure below illustrates 60% of the whole.



Changing Percent to Fraction

Always remember that percent means per one hundred, and fraction tells how many parts of a whole you have. For example, you want to change 30% to a fraction. You should observe the following:

Step 1: Rewrite the given in fraction by replacing the percent sign (%) with 100 as the denominator.



Step 2: Simplify the fraction by dividing the numerator and denominator by the Greatest Common Factor. The GCF for 30 and 100 is 10.

$$\frac{60 \div 10}{100 \div 10} = \frac{6}{10}$$

If the given is not a whole number, change it to a fraction then multiply the numerator and denominator by the power of 10 to make the numerator a whole number. For example, change 22.5% to a fraction.

$$22.5\% \rightarrow \frac{22.5}{100} \rightarrow \frac{225}{1000}$$

Then simplify the fraction.

$$\frac{225 \div 25}{1000 \div 25} = \frac{9}{40}$$



Let's Study and Analyze

Changing Fractions to Percent

Fraction is composed of a numerator and a denominator. The first step in changing fractions to percentage is dividing the two values. The **numerator** is the dividend while the **denominator** is the divisor. Below are the steps in changing fractions to percent.

Step 1: Divide the numerator by the denominator.

Numerator $\rightarrow 2 \rightarrow$ Dividend
Denominator $\rightarrow 5 \rightarrow$ Divisor

$$5 \overline{) 2} \longrightarrow 5 \overline{) 2.0} \\ \underline{- 20} \\ 0$$

Step 2: Multiply the quotient by 100 and affix the percent sign (%).

$$0.4 \times 100 = 40\%$$

Alternative solution:

Multiply the numerator and denominator by the same number which will make the denominator 100.

$$\frac{2 \times 20}{5 \times 20} = \frac{40}{100} = 40\%$$



Let's Try This

Activity 1: Changing Percent to Fraction

Directions: Change the given percent to fraction forms in the lowest term. Write your answers on a separate sheet of paper.

1. 76% _____

2. 33% _____

3. 28% _____

4. 45% _____

5. 5% _____

Activity 2: Changing Fractions to Percent

Directions: Change the given fraction to percent forms in the lowest term. Write your answers on a separate sheet of paper.

1. $\frac{3}{4}$ _____

2. $\frac{1}{5}$ _____

3. $\frac{8}{10}$ _____

4. $\frac{15}{60}$ _____

5. $\frac{15}{100}$ _____



Let's See What You Have Learned

Directions: Read, analyze, and solve the problems below. Write your answers on a separate sheet of paper.

You were 40 in the class who took the test. However, your teacher needed the percent and fractions of those who got the correct responses for the items in the test in the lowest term. Solve and present them to your teacher.

	Percent	Fraction
1. 12 of your classmates got the correct answers		
2. 34 of your classmates got the correct answers		
3. 26 of your classmates got the correct answers		
4. 38 of your classmates got the correct answers		
5. 18 of your classmates got the correct answers		



Let's Remember and Review

Directions: Write the fraction form in lowest term and percent form. Write your answers on a separate sheet of paper.

1. 10 out of 50 learners voted for Mina as class president.
Fraction = _____ Percent = _____%
2. The survey shows that 15 out of 20 people know how to use chopsticks.
Fraction = _____ Percent = _____%
3. 24 out of 80 teachers brought their laptops.
Fraction = _____ Percent = _____%
4. 95 ALS Learners attended the meeting and 19 arrived two hours earlier.
Fraction = _____ Percent = _____%
5. Sheila interviewed 10 single mothers and found out that only three were not supported by their children's biological fathers.
Fraction = _____ Percent = _____%

Lesson

3

Percent and Percentage



What Will You Learn from This Module?

After going through this module, you are expected to:

1. explain the meaning of percentage and its practical application in everyday life (**LS3MP-NN-PSB-AE-118**);
2. solve daily life problems involving percent and percentages (**LS3MP-NN-PSB-AE-121**); and
3. demonstrate knowledge and skills on percent and percentage in solving real-life problems (**LS3MP-NN-PSB-AE-123**).



Let's Solve This Problem

When do you usually go out for shopping? When was the last time? What did you buy? Did you buy it at full price? How much did you save?

You encounter percentages in your daily life. The discounts you get when you shop at a store or even online, the interest rates for your saved money in the bank, and the tax rate for your purchases are your opportunities to come across percentages. They are also used for describing the success rate of a medical procedure and examination results.

Percentages are useful when it comes to comparing and interpreting values. For example, rather than stating that “54 out of 60 learners passed the test”, an alternative way of expressing it would be “90% of the class passed the test”.

Study and analyze the figures below. Then, answer the questions that follow.

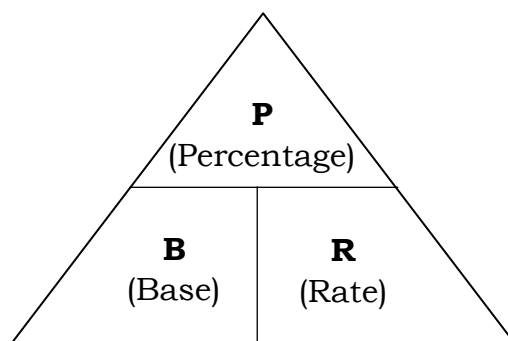
A	B	
	A	B
1. How many figures or parts are shaded?		
2. How many figures are there in all?		
3. What is the ratio of the shaded figures or parts to the total number of figures or parts?		



Let's Study and Analyze

Percentage

Observe the visual representation of the formulas.



Percentage refers to the calculated value expressed as a proportion out of a total quantity.

Formula: $P = B \times R$

Example: What number is 70% of 50?

What is being asked?

$$P = ?$$

What is the given information?

$$B = 50, \quad R = 70\%$$

Change the given rate from percent to decimal form.

$$70\% = \frac{70}{100} = 0.7$$

What formula is to be used?

$$P = B \times R$$

Substitute the given values to the formula and solve it.

$$P = B \times R$$

$$P = 50 \times 0.7$$

$$P = 35$$

Therefore, **35** is 70% of 50.

Base refers to the whole quantity.

Formula: $B = \frac{P}{R}$

Example: 15 is 25% of what number?

What is being asked?

$$B = ?$$

What is the given information?

$$P = 15, \quad R = 25\%$$

Change the given rate from percent to decimal form.

$$25\% = \frac{25}{100} = 0.25$$

What formula is to be used?

$$B = \frac{P}{R}$$

Substitute the given values to the formula and solve it.

$$B = \frac{P}{R}$$
$$B = \frac{15}{0.25}$$
$$B = 60$$

Therefore, 15 is 25% of **60**.

Rate refers to the ratio of one quantity to the whole quantity. It is usually expressed in percent with the symbol %.

Formula: $R = \frac{P}{B}$

Example: What percent of 30 is 12?

What is being asked?

$$R = ?$$

What is the given information?

$$P = 12, \quad B = 30$$

What formula is to be used?

$$R = \frac{P}{B}$$

Substitute the given values to the formula and solve it.

$$R = \frac{P}{B}$$
$$R = \frac{12}{30}$$
$$R = 0.4$$

Change the given rate from percent to decimal form.

$$0.4 \times 100\% = 40\%$$

Therefore, 12 is **40%** of 30.

Sample Problem: You and your friends will join the marathon in two months' time and you need a dry-fit shirt. The shirt costs P1,300.00 and it is on sale with 15% discount. How much discount will you get if you buy the shirt?

Let's solve the problem using the steps below.

Step 1: Identify which value are you looking for.

$$P = ?$$

Step 2: Identify the given values.

$$B = PhP\ 1,300.00 \quad \text{Price of the shirt}$$

$$R = 15\% \quad \text{Discount rate}$$

Step 3: Change the given rate from percent to decimal form.

$$15\% = \frac{15}{100} = 0.15$$

Step 4: Identify the formula you are going to use.

$$P = B \times R$$

Step 5: Substitute the given values to the formula and solve it.

$$P = B \times R$$

$$P = PhP\ 1,300.00 \times 0.15$$

$$P = PhP\ 195.00$$



Let's Try This

Directions: Solve the following questions. Write your answers on a separate sheet of paper.

1. What number is 45% of 120?
2. 40% of what number is 45?
3. What percent of 30 is 21?
4. 32% of 46 is what number?
6. What number is 28% of 50?
7. 40% of what number is 30?
8. What percent of 50 is 26?
9. 12% of 35 is what number?
10. What percent of 30 is 18?



Let's See What You Have Learned

Directions: Fill in the table below with the missing values. Write your answers on a separate sheet of paper.

Percentage	Base	Rate
1.	P95.00	52%
6.6	2.	12%
P29.70	P110.00	3.
16	4.	32%
5.	78	40%



Let's Remember and Review

Directions: Solve the following problems. Write your answers on a separate sheet of paper.

Problem 1

Linda went out to buy vitamin C for her five-day seminar. The medicine costs P6.00 per tablet. It is on a 5-tablet promo which gives her P6.00 discount. What is the discount rate?

1. What is asked?
2. What is the given information?
3. What formula is to be used?
4. Write your solution.

Problem 2

Lola Rosa bought a meal for P165.00 at a fast food chain. She presented her senior citizen card and got a 20% discount, how much was her discount?

1. What is asked?
2. What is the given information?
3. What formula is to be used?
4. Write your solution.



What Have You Learned?

Directions: Read, analyze, and solve each of the following items. Write the letter of your answer on a separate sheet of paper.

1. What is 20% of 125?
A. 30 B. 25 C. 20 D. 15
2. What is 25% of 72?
A. 18 B. 20 C. 22 D. 24
3. 14 is 25% of what number?
A. 36 B. 46 C. 56 D. 66
4. 18 is 90% of what number?
A. 35 B. 30 C. 25 D. 20
5. Change 1.2% to a decimal.
A. 1.2 B. 0.12 C. 0.012 D. 0.0012
6. Change 0.88 to a percent.
A. 0.88% B. 8.8% C. 88% D. 880%
7. Change 60% to a fraction.
A. $\frac{3}{4}$ B. $\frac{7}{5}$ C. $\frac{5}{7}$ D. $\frac{3}{5}$
8. Change $\frac{11}{20}$ to a percent.
A. 50% B. 55% C. 60% D. 65%
9. Margie bought 20 plants for her garden; 8 were daisies. What percent of the plants were daisies?
A. 40% B. 42% C. 44% D. 46%
10. You went to a store to buy 2 packs of detergent powder for a discounted price of P153.00. If the original price of a pack of detergent powder was P90.00, what was the discounted rate?
A. 15% B. 17% C. 41% D. 70%



Answer Key

Let's See What You Already Know (Pre-Assessment) 1. D 2. A 3. C 4. C 5. A 6. B 7. A 8. B 9. A 10. B		
LESSON 1: Changing Percent to Decimals and Vice-versa		
Let's Try This Activity 1 1. 0.76 2. 0.33 3. 0.12 4. 0.05 5. 0.31 Activity 2 1. 17% 2. 35% 3. 9% 4. 41% 5. 88%	Let's See What You Have Learned 1. 67% 2. 0.066 3. 0.29 4. 0.16 5. 78%	Let's Remember and Review PERCENT DECIMAL 20% 0.2 75% 0.75 30% 0.3 20% 0.2 30% 0.3
LESSON 2: Changing Percent to Fractions and Vice-versa		
Let's Try This Activity 1: 1. 19/25 2. 33/100 3. 7/25 4. 9/20 5. 1/20 Activity 2: 1. 75% 2. 20% 3. 80% 4. 25% 5. 15%	Let's See What You Have Learned PERCENT FRACTION 30% 3/10 85% 17/20 65% 13/20 95% 19/20 45% 9/20	Let's Remember and Review PERCENT FRACTION 20% 1/5 75% 3/4 30% 3/10 20% 1/5 30% 3/10
LESSON 3: Identifying Percent and Percentages		
Let's Try This 1. 54 2. 112.5 3. 70% 4. 1472 5. 90% 6. 14 7. 75 8. 52% 9. 4.2 10. 60%	Let's See What You Have Learned 1. P49.40 2. 55 3. 27% 4. 50 5. 31.2	Let's Remember and Review 1. a. $R = ?$ b. $P = P6.00$ c. $R = \frac{P}{B}$ d. $R = \frac{P}{B}$ $R = \frac{P6.00}{P30.00}$ $R = \frac{1}{5}$ $R = 0.2 \times 100\%$ $R = 20\%$ 2. a. $P = ?$ b. $R = 20\%$ c. $P = B \times R$ d. $P = B \times R$ $B = P165.00$ $P = P165.00 \times 20\%$ $P = P165.00 \times 0.2$ $P = P33.00$
What Have You Learned (Post-Assessment) 1. B 2. A 3. C 4. D 5. C 6. C 7. D 8. B 9. A 10. A		

Glossary

Base	refers to the whole quantity.
Fraction	consists of two parts, namely a numerator and a denominator.
Denominator	is the divisor..
Numerator	is the dividend.
Percentage	refers to the calculated value expressed as a proportion out of a total quantity.
Rate	refers to the ratio of one quantity to the whole quantity. It is usually expressed in percent with the symbol %.

References

- “Percentage.” Mathcentre.ac.uk. 2019. [online] Retrieved from:
<http://www.mathcentre.ac.uk/resources/uploaded/mc-ty-percent-2009-1.pdf> [Accessed 19 Nov. 2019].
- “Percentages.” Amsi.org.au. (2019). [online] Retrieved from:
http://amsi.org.au/teacher_modules/pdfs/Percentages.pdf [Accessed 19 Nov. 2019].
- “Create Harvard, APA & MLA Citations.” Cite This For Me, a Chegg service, 2012. Retrieved from <https://www.citethisforme.com/>. [Accessed: November 19, 2019].
- “Plagiarism Checker.” Plagiarism Checker - 100% Free Plagiarism Detector Online, September 2021. Retrieved from <https://smallseotools.com/plagiarism-checker/>. [Accessed: November 19, 2019].

For inquiries or feedback, please write or call:

Department of Education - Bureau of Alternative Education (DepEd-BAE)

5th Floor, Bonifacio Bldg., DepEd Complex
Meralco Avenue, Pasig City, Philippines 1600

Telephone No.: 08-636-36-036

Email Address: bae.od@deped.gov.ph * bae.pmsdd@deped.gov.ph

