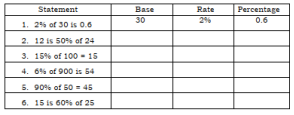
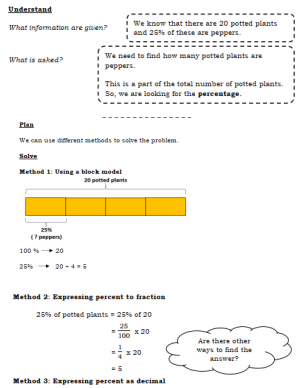
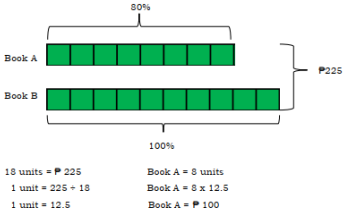
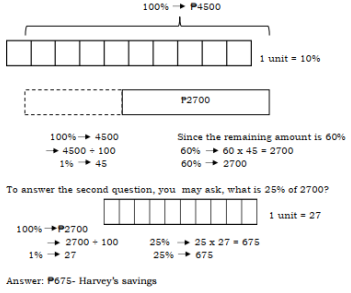
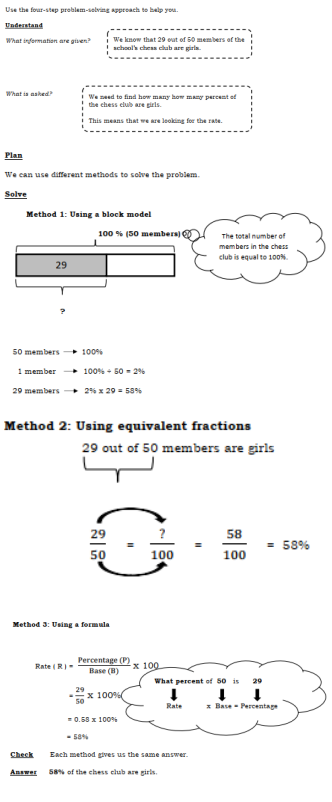
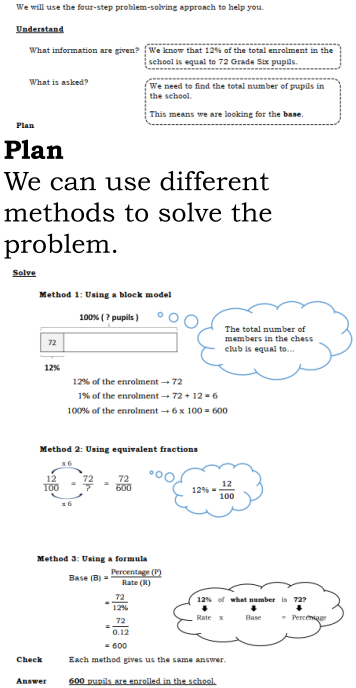
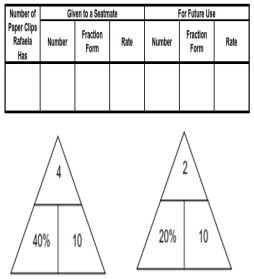
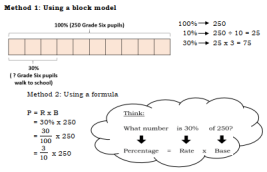
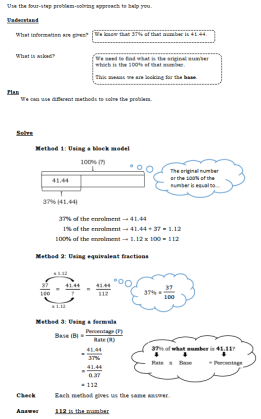
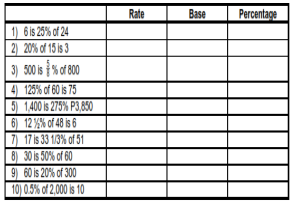
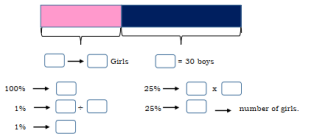
GRADES 1 to 12 DAILY LESSON LOG	School:	Visit DepEdResources.com for More	Grade Level:	6
	Name of Teacher		Learning Area:	MATHEMATICS
	Teaching Dates and Time:	OCTOBER 14 - 18, 2024 (WEEK 3)	Quarter:	Second

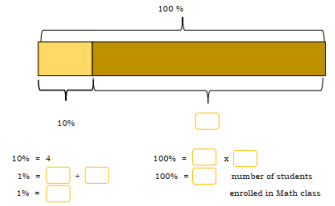
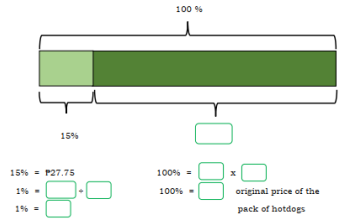
OBJECTIVES	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
A. Content Standard	The learner demonstrates understanding of order of operations, ratio and proportion, percent, exponents, and integers.	The learner demonstrates understanding of order of operations, ratio and proportion, percent, exponents, and integers.	The learner demonstrates understanding of order of operations, ratio and proportion, percent, exponents, and integers.	The learner demonstrates understanding of order of operations, ratio and proportion, percent, exponents, and integers.	The learner demonstrates understanding of order of operations, ratio and proportion, percent, exponents, and integers.
B. Performance Standard	The learner is able to apply knowledge of order of operations, ratio and proportion, percent, exponents, and integers in mathematical problems and real-life situations.	The learner is able to apply knowledge of order of operations, ratio and proportion, percent, exponents, and integers in mathematical problems and real-life situations.	The learner is able to apply knowledge of order of operations, ratio and proportion, percent, exponents, and integers in mathematical problems and real-life situations.	The learner is able to apply knowledge of order of operations, ratio and proportion, percent, exponents, and integers in mathematical problems and real-life situations.	The learner is able to apply knowledge of order of operations, ratio and proportion, percent, exponents, and integers in mathematical problems and real-life situations.
C. Learning Competency/ Objectives Write the LC code for each.	Identify the percentage, rate and base in a given problem;	Find the base, percentage or rate or percent in a given problem; **(M6NSIId-142)** Solve routine and non-routine problems involving the percentage, rate and base using appropriate strategies and tools. **(M6NS-IId-143)**	Find the base, percentage or rate or percent in a given problem; **(M6NSIId-142)** Solve routine and non-routine problems involving the percentage, rate and base using appropriate strategies and tools. **(M6NS-IId-143)**	Find the base, percentage or rate or percent in a given problem; **(M6NSIId-142)** Solve routine and non-routine problems involving the percentage, rate and base using appropriate strategies and tools. **(M6NS-IId-143)**	Find the base, percentage or rate or percent in a given problem; **(M6NSIId-142)** Solve routine and non-routine problems involving the percentage, rate and base using appropriate strategies and tools. **(M6NS-IId-143)**

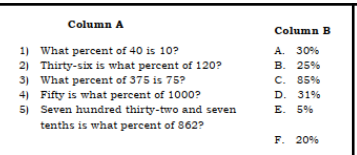
II. CONTENT	Finding the Percentage, Base and Rate in a Given Problem	Finding the Percentage in a Given Problem	Finding the Percentage in a Given Problem	Finding the Rate or Percent in a Given Problem	Finding the Base in a Given Problem
III. LEARNING RESOURCES					
A. References	**K-12 MELC- C.G p223**	**K-12 MELC- C.G p223**	**K-12 MELC- C.G p223**	**K-12 MELC- C.G p223**	**K-12 MELC- C.G p223**
1. Teacher's Guide pages					
2. Learner's Materials pages					
3. Textbook pages					
4. Additional Materials from Learning Resource (LR) portal					
B. Other Learning Resource					
III. PROCEDURES					
A. Reviewing previous lesson or presenting the new lesson	**Drill on Renaming Fractions to Decimals to Ratios and Vice-Versa** Change fraction to decimal 1. ¾ 2. 8/20 3. 4/40 4. 15/30 Decimal to percent 5. .55 6. .63 7. .9 8. .1	Identify the base, rate, and percentage by completing the table below. The first one is done for you. Write your answers on your answer sheet. 	Find the percentage of a number. 1) What is 6% of 12? 2) What is 15% of 45? 3) Twenty percent of 80 is what number? 4) Sixteen percent of 68 is what number? 5) What number is 90% of 80?	Find what is asked. You can use any methods in solving for the percentage. Write your solutions on your answer sheet. 1) What is 25% of 700? 2) Forty-five percent of 325 is what number? 3) What number is 20% of 130? 4) In a class of 52 children, 75% are boys. How many girls are there in the class? 5) What is 32% of 137?	A. Modified True or False: Write True if the statement is correct. If it is false, replace the underlined number/word to make the statement true. Write your answers on your answer sheet. 1) Eight is 30 percent of 32? 2) Fifty percent of 60 is 30? 3) Sixty is 25% of 300? 4) N% of 130 = 10. N is 7.69%. 5) Forty-eight is 45% of 120?

Statement	Base	Rate	Percentage
1. 2% of 30 is 0.6	30	2%	0.6
2. 12 is 50% of 24			
3. 15% of 100 = 15			
4. 6% of 900 is 54			
5. 90% of 50 = 45			
6. 15 is 60% of 25			

B. Establishing a purpose for the lesson	**Who is celebrating his/her birthday this month?**	Read and study the following problem. **Twenty-five percent of Daisy's 20 potted plants are peppers. How many potted plants are peppers?**	Roman knocks 9 cans out of 15. What percent of cans did he knock?	A school chess club has 50 members. Twenty-nine of them are girls. What percent of the chess club are girls?	There are 72 Grade 6 pupils in a school. The Grade six pupils comprise 12% of the total enrolment. How many pupils are enrolled in a school?
C. Presenting examples/ instances of the new lesson	**We will learn to identify the percentage, base, and rate in a given problem.**	Let's us find out how to find the percentage in a given problem.	Continue lesson.	Let's us find out how to find the rate or percent in a given problem.	n this lesson, you will learn on how to find the base in a given problem using the formula and different strategy.
D. Discussing new concepts and practicing new skills #1	**Read the Problem: On her birthday, Carla received ₱1,500 from her ninangs. With her money, she spent 40% for a blouse, and saved the rest. How much was used in buying a blouse?** **a) Who received money from her ninang?** **b) Why did her ninang give her money?** **c) How much did she receive from her ninang?** **d) What did she do with her money?** **e) If you were Carla, will you do the same? Why?** a)What does the problem ask you to look for? b) What facts are in the problem?	Use the four-step problem-solving approach to help you. 	Two books cost ₱225. The cost of Book A is 80% of the cost of Book B. How much does Book A cost?  Harvey's weekly salary is ₱4500. He sets aside 40% of this for his daily expenses and 25% of the remaining as savings. How much does Harvey save? 		

	c) What are the facts needed?				
E. Discussing new concepts and practicing new skills #2	**Rafaela has 10 paper clips. She gives 2 paper clips to her seatmate and keeps the rest for future use. Is it right for her to say that she keeps 80% of the paper clips?**  	Here are more examples. **In an elementary school, 30% of the 250 Grade Six pupils walk to school. How many Grade Six pupils walk to school?**  	Find what is asked. Write your solutions on your answer sheet. 1) What is 40% of 90? 2) Twenty-five percent of 120 is what number? 3) What number is 20% of 130? 4) Eighteen percent of 150 is what number? 5) What is 30% of 960?	Read and analyze the problems below. Show the complete answer on your answer sheet. 1) What percent of 30 is 6? 2) Fifteen is what percent of 25? 3) One hundred twenty-five is what percent of 500? 4) Twenty is what percent of 200? 5) What percent of 120 is 30?	Percy thinks of a number. Thirty-seven percent of the number is 41.44. What is the number? 
F. Developing mastery (leads to Formative Assessment 3)	**Identify the rate, base, and percentage by completing the table.**  	Find out the hidden word by filling in the blanks with the letter of your answer. Choose your answer from the choices inside the box. _____ _____ _____ _____ _____ 1. 2. 3. 4. 5. 1) _____ is 20% of 20 2) What is 90% of 50? 3) Eighty percent of 150 is _____ 4) The sum of 10% of 60 and 75% of 20 is _____. 5) The product of 5% of 40 and 8% of 50 is _____. A. 50 I. 150 O. 21 B. 30 J. 120 R. 40 E. 4 N. 45 Y. 8		6) There are 40 Grade 6 pupils in a class. If 30 are boys, what percent are girls?  	Read and analyze the problems below. Show your complete answer on your answer sheet. 1) Twenty-five percent of ____ is 21.25? 2) Sixteen percent of what number is 8.96? 3) Find B when R = 25% and P = 125. 4) Forty-five percent of N is 54? 5) 25% (Twent-five percent) of a number is 30. Find the number. 6) Ten percent of the students in a Math class are absent. If there are 4 students who are absent, how many students are enrolled in a Math class?

					
G. Finding practical application of concepts and skills in daily living	**Read and answer the following problems:** **1) Mrs. Licardo opened an account in South Leas Bank. She puts a principal amount of ₱15,000 that will earn an interest of ₱150 after a month at a rate of 1% monthly.** **a) What are the given data in the problem?** **b) Which of the data is the base? rate? percentage?**	Read and solve the problems. Show your solutions on your answer sheet. Label your final answers. 1) The periodic test in Mathematics has 50 questions. If Joy got 90% correct answers, how many questions did she miss? 2) In school, 15% of the Math teachers are males. If there are 20 Math teachers in school, _____ of them are females?	Read and solve the problems. Show your solutions on your answer sheet. Label your final answers. 1. Six percent of the fishes in the pond are Sword Fish. If there are 1400 fishes in the pond, how many are Sword Fish? 2. Hazel Joy gives 15% of her monthly salary to her mother. If her monthly salary is ₱25 500. How much will she give to her mother every month? 3. In a 75-item test, DM got a correct score of 96%. Is it true that DM missed 5 items of the test? Prove your answer.	There are 25 questions in a summative test. Three points are added for every correct answer and two points are deducted for every wrong answer. Joy gets a total score of 45. How many correct answers did she get? What percent of the total number of questions did she miss?	Mr. Catinan was able to save ₱ 27.75 on a pack of hotdogs. This amount is 15% of the original price. Find the original price of the pack of hotdogs. 
H. Making generalizations and abstractions about the lesson	**What is the meaning of percentage? rate? base? How do you determine the base in a given problem? the rate? and the percentage?**	• Percentage is the actual amount that represents part of a whole. It can be found given the percent (rate) and the whole amount (base). • Percentage can be calculated by using the formula, *P = R x B.* • When solving problems that involve finding percentages, the four-step problemsolving approach (Understand, Plan, Solve and Check) can be helpful.		• Rate is the ratio of the percentage to the base. It is written in percent. • Rate can be calculated by using the formula, $R = \frac{P}{B} \times 100$. • When solving problems that involve finding rates, the four-step problem-solving approach (Understand, Plan, Solve and Check) can be helpful.	• Base is the amount representing 100%. It is the whole from which a percent is taken from. • Base can be calculated by using the formula, $B = \frac{P}{R}$. • When solving problems that involve finding bases, the four-step problem approach (Understand, Plan, Solve and Check) can be helpful.
I. Evaluating learning	**A. Encircle the letter of the correct answers.** **1) When one finds what percent one**	Find the percentage in the given problems below. Choose the letter of the correct answer and write it on	Solve what is asked. Show your solutions on your answer sheet and label your final answers. 6) At Alcona Resort, 8% of	A. Match Column A with Column B. Write the letter of the correct answer on your answer sheet.	A. Fill-in the blanks. Write the letter of the correct answer on your answer sheet. 1) 15 (fifteen) is 20% of

	number is of another, he looks for the ___. **a) Base b) percentage c) rate d) ratio** **2) Finding a number when a percent of it is known means solving for the ___.** **a) Base b) percentage c) proportion d) ratio** **3) 16 is 25% of 64. The percentage in the problem is ___.** **a) 16 b) 25% c) 64 d) 41** **4) Two of the 50 pieces of tomatoes in the basket are rotten. This is 4% of all the tomatoes in the basket. Which is the rate?** **a) 50 b) 2 c) 4% d) 48** **5) Solving for a number when a percent of it is known means computing for the ___.** **a) Base b) percentage c) rate d) *Techan's Triangle***	your answer sheet. 1) What is 5% of 30? A. 0.15 B. 1.05 C. 1.5 D. 15 2) What is 10% of 60? A. 10 B. 6 C. 0.6 D. 1.0 3) Fifteen percent of 65 is what number? A. 9.75 B. 97.5 C. 9.57 D. 95.7 4) Twenty percent of 80 is what number? A. 0.16 B. 1.6 C. 1.60 D. 16 5) What number is 25% of 130? A. 32.5 B. 35.2 C. 23.5 D. 25.3	the visitors are foreigners. If there are 225 visitors at the resort, how many visitors are foreigners? 7) Vic saves 9% of his salary each month. If Vic's salary is ₱16 000, how much is Vic's monthly savings? 8) In a fast food outlet, there are 50 service crew. Ninety-two percent of crew are men and the rest are women. How many service crew in a fast food outlet are men? 9) Fifteen percent of the 60 participants who attended the Mathematics Investigation Training were males and the rest are females. How many participants were females? 10) Vangie is a rice seller. She earns a profit of 15% for every kilogram at ₱45. She was able to sell 55 kilograms of rice. How much profit did she earn?	 B. Solve the following problems. Show your solutions on your answer sheet and label your final answers. 6) Reoiux James bought 50 noodles for his *sari-sari store*. Forty-two of which are beef. What percent of noodles are beef? Use equivalent fraction method to solve this problem. 7) Ivy paid ₱880.00 for her purchased groceries. Looking at her Official Receipt, she found out that there was a discount of ₱39.60. What was the percent of discount? 8) Christine Joy got a score of 47 out of 50 items in a Mathematics 6 test. What percent of the test did she answer incorrectly? 9) What is the shooting percentage of Joshua if he shoots 18 out of 20 free throws? Draw a model to solve this problem. 10.) In a Primary school, there are 45 parents. On a rainy day, 36 were present	_____. Find the number. A. 75 B. 80 C. 85 D. 90 2) Five percent (5 %) of _____ is 75. A. 1 300 B. 1 400 C. 1 500 D. 1 550 3) Seven percent of _____ is 34.3. A. 460 B. 470 C. 480 D. 490 4) 180 is 15% of _____. A. 1 010 B. 1 200 C. 1 020 D. 1 002 5) 22% _____ is 28.16. Find the number. A. 182 B. 128 C. 218 D. 281 B. Solve the following problems below using any of the methods learned. Do it on your answer sheet. 6) Virgie grows her hair 3.75 cm in the last three months. If the length is 12.5% of her hair three months ago, how long is her hair now? 7) Sheila is engaged in an online business. She started with an investment of ₱10 000.00. Due to the COVID-19 pandemic, her business becomes in demand. In March, she gained 5% profit and added to her investment. She continuously adds her profit to her investment thereafter and gains 10%, 25%, and 40% in the

				to get the modules. What percent of parents were able to get the modules?	succeeding months until June 2020. How much is her total investment by the end of June? 8) Sherwin recorded his monthly savings deposit in the bank. He started at ₱5 000.00 in January 2020. In the succeeding months, he consistently adds 25% of his monthly standing balance into his savings account. How much will be his total savings in April 2020? Round your answer to two decimal places. 9) Mr. Perez saves 5% of his monthly salary. If he saves ₱ 1338.20. How much is Mr. Reyes' monthly salary? 10) Maricel had 15 red pony tail which is her favorite. The red pony tail is 15% of all the pony tail Maricel had. How many pony tail does Maricel had altogether?
J. Additional activities for application or remediation					
IV. REMARKS					
V. REFLECTION					
A..No. of learners who earned 80% in the evaluation	___ of Learners who earned 80% above	___ of Learners who earned 80% above	___ of Learners who earned 80% above	___ of Learners who earned 80% above	___ of Learners who earned 80% above
B.No. of learners who require additional activities for remediation who scored below 80%	___ of Learners who require additional activities for remediation	___ of Learners who require additional activities for remediation	___ of Learners who require additional activities for remediation	___ of Learners who require additional activities for remediation	___ of Learners who require additional activities for remediation

C. Did the remedial lessons work? **No. of learners who have caught up with the lesson**	___Yes ___No ____ of Learners who caught up the lesson	___Yes ___No ____ of Learners who caught up the lesson	___Yes ___No ____ of Learners who caught up the lesson	___Yes ___No ____ of Learners who caught up the lesson	___Yes ___No ____ of Learners who caught up the lesson
D. No. of learners who continue to require remediation	___ of Learners who continue to require remediation	___ of Learners who continue to require remediation	___ of Learners who continue to require remediation	___ of Learners who continue to require remediation	___ of Learners who continue to require remediation

Prepared by:

Teacher I

Checked and Reviewed:

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