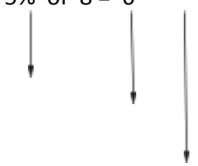
GRADES 1 to 12 DAILY LESSON LOG	School:	DepEdClub.com	Grade Level:	V
	Teacher:	File Created by Ma'am IRENE A. MANZANERO	Learning Area:	MATHEMATICS
	Teaching Dates and Time:	JANUARY 31 – FEBRUARY 2, 2024 (WEEK 1)	Quarter:	3RD QUARTER

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
I.OBJECTIVES					
a. Content Standards	Demonstrate understanding of percent				
b. Performance Standards	Is able to apply percent in mathematical problems and real-life situations.				
c. Learning Competencies/ Objectives. Write the LC Code for each	Visualizes percent and its relationship to fractions, ratios, and decimal numbers using models. M5NS-IIIa-136	Defines percentage, rate or percent, and base. M5NS-IIIa-137	Defines percentage, rate or percent, and base. M5NS-IIIa-137	Identifies the base, percentage, and rate in a problem. M5NS-IIIa-138	Identifies the base, percenta and rate in a problem. M5NS-IIIa-138
II.CONTENT	VisualizingPercent and Its Relationship to Fractions, Ratios and Decimal Numbers Using Models	Relationship of percent to fractions, ratio, and decimal numbers.	Relationship of percent to fractions, ratio, and decimal numbers.	**Identify the Base, Percentage, and Rate in the Problem**	**Identify the Base, Percent and Rate in the Problem**
III.LEARNING RESOURCES					
A.References					
1.Teacher's Guide pages	TG Q3	TG Q3	TG Q3	TG Q3	TG Q3
2.Learner's Materials pages	LM Q3	LM Q3	LM Q3	LM Q3	LM Q3
3.Textbook pages	Growing Up with Math pp. 217-219, Math for Life pp. 254-257, Mathematics for a Better Life pp. 208- 210.	Lesson Guide in Mathematics 5 pp. 417 Lesson Guide in Math 6 p 311	Lesson Guide in Mathematics 5 pp. 417 Lesson Guide in Math 6 p 311	Growing Up with Math pp.220, Math for Life pp.256	Growing Up with Math pp.2 Math for Life pp.256
4.Additional Resources from Learning Resources (LR) Portal					
B. Other Learning Resources					
IV.PROCEDURES					
A.Review previous lesson or presenting the new lesson.	Using flash cards. Express each of the following in percent. Review meaning of percent	Mental computation Drill on Renaming Fractions to Decimals to Ratio and Vice-Versa	What is base, percentage, rate?	Drill on percent	What is base, percentage, ra

B. Establishing the purpose to the lesson.	Who among you have baby brother and sisters who still take milk from bottles? Do You know how to prepare their milk? How many ounces of water do you use? How many scoops of milk do you put?	Action Song (Body Exercise) Tune: Are you Sleeping Title: Fraction to Percent (One-fourth) 4x (Twenty-five) 2x (One-fourth change to percent) 2x (Twenty-five percent) 2x One-half = 50% One-fifth = 20% Three-fourths = 75% Two-fifths = 40%	Seventy-five percentof the the 40 pupils of Mrs. Gallardo like Mathematics. How many pupils are Math lovers? a. How many pupils does Mrs. Gallardo have in all? 40 is a whole number. It is called base. b. How many percent of the pupils like Mathematics? 75% is the rate which can be expressed as a ratio or as fraction c. How many pupils love mathematics? 30 is the percentage it is a part of the whole.	Concept Development Material: fraction strips Mechanics: a. Form 5 groups. b. Distribute fraction strips equally among the groups and place them face down in a pile. c. Pupils look at the top card, name fraction and the name percent for the fraction. d. The group with the most number of correct responses wins the game.	A survey conducted among 120 grade 5 Elementary School showed that 45% like swimm that 54 out 120 pupils like swimming.
C. Presenting examples/ instances of the new lesson	Mechanics: 1. Let 5 boys and 5 girls stand in front of the class forming a circle. While the music is being played the participants move around. 2. When the music stops the teacher will say “The boat is sinking group yourselves into 2.” 3. The group continues till the described players necessary to form the ratio is achieved.	Showing a paper clips. Where do we used these paper clips? Original File Submitted and Formatted by DepEd Club Member - visit depedclub.com for more	Study these example; 25% of 8 = 2 Rate Base Percentage	Action Song (Body Exercise) Tune: Are you Sleeping Title: Fraction to Percent (One-fourth) 4x (Twenty-five) 2x (One-fourth change to percent) 2x (Twenty-five percent) 2x One-half = 50% One-fifth = 20% Three-fourths = 75% Two-fifths = 40%	How can identify rate, base, and percentage? We can identify the rate, base and percentage using the Te P R B 54 45% 120
D. Discussing new concepts and practicing new skills # 1	Discuss the following to the pupils; For instance, the first group there are 3 girls and 1 boy left. Then the ratio of boys to girls is 1;3 The ratio of girls to boys is 3;1 If we are to write the ratio 1;3in fraction which will be the numerator? the denominator?	Problem Opener Rafaela has 10 paper clips. She gives 2 paper clips to her seatmate and keeps the rest for the future use. Is it right for her to say that she keeps 80% of the paper clips? Questions to answer: 1. Who has 10 paper clips? 2. To whom does she give 2 paper clips?	25% is the rate. It is given as a percent. It can be expressed as ratio or fraction $\frac{25}{100}$ 8 is called a base. It is a whole number of which you take the percent. 2 is called the percentage meaning a part of the whole. It is the resulting fractional part of the base.	Acting Out: My Favorite Fruit Mechanics; 1. Divide the class into 8 groups. 2. Teacher will presents a question: If you were to choose which fruits would you like to eat everyday? 3. Each group decides on their favourite fruit among the fruits posted on the board. 4. Teacher request the 8 group leaders to stand at the back of the classroom.	We can also write: 45% of 120 = 54 Rate Base Percentage Another examples: 1. 80% of P 9 475 = P 7 5 80% is the rate P 9 475 is the bas P 7 580 is the per

	If we are to get how many percent of the pupils are boys, in relation to the group, divide The numerator by denominator.	3. if you were Rafaela will you also keep materials for the future? Why?		5. As the teacher gives the signal, the leaders go to the fruit the fruit chose. 6. The teacher ask the leaders to explain their choices. 7. Let the pupils form the ratios for each fruit chosen: number of groups who chose the fruit To the total number of groups. 8. Convert the ratios to fractions then to percent.	
E. Discussing new concepts and practicing new skills # 2	There are 33% in relation to the girls in the group. In decimal, change percent to fraction with denominator of 100. Ten express the fraction as a decimal. Or simply drop the % symbol, Then move the decimal point 2 places to the left.	Present the table below: a. Get 2 paper clips from 10 paper clips. Express in fraction form the paper clips parted in relation to the total paper clips. Change the fraction form to rate or percent. Relate the number of 2s in 10. Let them think aloud on the number of 20% in 100% and in relation to 2s in 10. b. Ask them what part of the total number of paper clips describing the number of paper clips for future use. Require them to relate 80% to the number of paper clips for future use. c. Let the pupils identify rate, base and percentage. The rate is the percent of the whole. It has the percent symbol (%). The base is the whole we're talking about. It is written after the word "of" or the		Discussion a. How many group are there? 8 b. How many chose apple? 6 c. How do we write it in percent? 75% Say: We can write: 75% of 8 = 6 We deal with the three elements: rate, base and percentage: 75% of 8 = 6  The relationship among the three is: R x B = p or P = R x B 75% is the rate. The number written with the word "percent" or with the symbol "%" It can be expressed as a ratio of fraction $\frac{75}{100}$.	

		phrase “percent of”. The percentage is the portion of the whole based on the rate. It is usually followed by the word “is”. Using the Techan’s Triangle, ask them to determine the rate, base, and percentage.		8 is called the base. The total or whole and it is the number that usually follows the phrase **“**percent of” or “% of”. 6 is called percentage. It is the part of the whole. We can also use the Techan’s Triangle to identify rate, base and percentage.	
F. Developing Mastery (Leads to Formative Assessment 3	A. Using pictures the pupils will give the ratio of the number shaded parts to the unshaded part. Then change them to fractions, decimal and percent.	Station 1: 5 is what percent of 50? What is the rate? _____ Station 2: 40% of 60 is what? What is the percentage? _____ Station 3: 16 is 25% of 64 The base is _____ Station 4: 15% of total sales is P 8 910. The rate is _____ Station 5: 43% of 150 is 64.5 The base is _____	Got Moving! A. Write which is the rate, base, and percentage 1. 20% of 40 is 8 Rate _____ Base _____ Percentage _____ 2. 15 % of 200 is 30 Rate_____ Base_____ Percentage_____ 4. 40 is 10% of 400 Rate _____ Base _____ Percentage _____ 5. 50 is 25% of 250 Rate _____ Base _____ Percentage _____	Have the pupils work in group. The teacher gives problem statements wherein the pupils Identify the rate, base and percentage: Group 1: Paolo listen very well to the teacher during the discussion of the lesson. When they were given a 5-itm test he got 4 correct answer. He has a grade of 80%. Group 2: There are 40 pupils in a class. Seventy-five percent of them are present. 30 pupils are present. Group 3: Monique invited 300 kids to her party. Only 15% of the kids did not showedup.Forty-five kids did not attend the party. Group 4: Shiela got 90% of a 20-item test in Science. She answers 18 item correctly.	Show the rate, base and percentage in the Techan’s Triangle about the 1. Jun deposited P 1 800 in a bank. After a year, his money earned his initial deposit. 2. Althea gives 45% of her salary to her mother. She says she has P1 because her income is P 25 000. Is she right? 3. Yanny has P5 000 in her pocket which is 25% of her father’s mon have P 20 000. 4. Jian bought a toy car with 15% discount or P150. The toy car must P1,000.00. 5. An item is marked P6,010. This is 60% higher than the price. The o P3,756.25. 6. There are 40 students in the class 95% of them are present. attended their class. 7. When we ate in the restaurant, our bill amounted P 450.00. to tha his good service, Joan tipped him 10% of the amount . the waite tip. 8. There are 160 families in our barangay, 40 families are engage in fi of them are fishermen. 9. During the basketball season, Alvin shot 175 free throws. He ma make 154 free throws. 10. Among the 1 250 pupils who attend a school, 6% are left-hande handed pipils.
G. Finding practical applications of concepts and skills in daily living	Have the pupils work in group.	Ask the pupils to do the activity under Apply Your Skills on page ____ of LM Math 5	B. Write “rate”, “base”, or “percentage” to identify what you need to solve for. 1. 30 is 15% of what number? _____ 2. What is 78% of 100? _____ 3. 8 is what percent of 16?_____ 4. What percent of 35 is 5?_____ 5. 22% of what number is 66?_____ 6. 24% of 300 is what number? _____ 7. 12 is 40% of what number? _____ 8. What is 90% of 30? _____ 9. 7 is what percent of 14? _____ 10. What percent of 45 is 9? _____	B. Complete the following sentences to make them true: 1. In the statement 65% of 70 = N, 65% is called the rate because _____. 2. In 25% of 800 = 200, 200 is the percentage because _____. 3. In the statement in No. 2, 800 is the base. It tells _____	A. Identify the rate, base, and percentage by completing the table. 1. 6 is 25% of 24 2. 20% of 15 is 3 3. 500 is $\frac{5}{8}$ % of 800 4. 125% of 60 75 5. 1 400 is 275% P 3 850 6. 12 ½ % of 48 is 6 7. 17 is 33 $\frac{1}{3}$ % of 51 8. 30 is 50% of 60 9. 60 is 20% of 300 10. 0.5% of 2 000 is 10

H. Making generalizations and abstractions about the lesson	Ratio is a comparison between two or more quantities. It can also be expressed as fraction, the first number being the denominator. Through ratios and fractions we can get the percent equivalent by dividing the numerator by the denominator. The result is a decimal but move the decimal point two places the right and affix the percent sign.	Percentage is a part of a whole. It is the resulting fractional part of the base. Rate is the number written with the word “percent” or with the symbol “%”. Base is the total or whole and it is the number that usually follows the phrase “percent of” or “% of”.	Percentage is a part of a whole. It is the resulting fractional part of the base. Rate is the number written with the word “percent” or with the symbol “%”. Base is the total or whole and it is the number that usually follows the phrase “percent of” or “% of”.	Rate is the number written with the word “percent”. It is express in percent form. Base is the total or whole and it is the number that usually follows the phrase “percent”. Percentage is the part of the whole. Techan’s Triangle is also used in identifying rate, base and percentage.	We can say that: Rate is the number written with the word “percent” or wit Base is the total or whole and it is the number that usual “percent of” or “% of”. Percentage is the part of the whole. Techan’s Triangle is used to identify rate, base and perc
I. Evaluating learning	Write the name for each shaded part as fraction, ratio, percent and decimal	Encircle the letter of the correct answer. 1. When one finds what percent one number is of another, we looks for the _____. a. base c. rate b. percentage d. ratio 2. Finding a number when a percent of it is known means solving for the _____. a. base c. proportion b. percentage d. ratio 3. 16 is 25% of 64. The percentage in the problem is _____. a.16 c. 64 b.25% 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 c. 4% b. 2 d. 48 5. Seven of the 35 boys in the class wear eyeglasses. 20% of the boys wear eyeglasses. Which is the base? a. 20% c. 7 b. 35 d. 40	Write what is missing (base, rate, or percentage) and then solve. 1. 32 is what percent of 80? What is missing?_____ Answer:_____ 2. 25% of what number is 12? What is missing?_____ Answer:_____ 3. 30% of 70 is what number? What is missing?_____ Answer:_____ 4. 100% of 11 is what number? What is missing?_____ Answer:_____ 5. What percent of 28 is 14? What is missing?_____ Answer:_____ 6. 14 is what percent of 56? What is missing?_____ Answer:_____ 7. 200% of 10 is what number? What is missing?_____ Answer:_____ 8. 9 is what percent of 180? What is missing?_____ Answer:_____ 9. 2% of 250 is what number? What is missing?_____ Answer:_____ 10. 6 is what percent 24? What is missing?_____ Answer:_____	Identify the rate, base, or percentage in the following problems. 1. 50% of 78 = 39 2. 10% of 60 = 6 3. A 20% or P 4 600 is the down payment for a brand new TV set. The original price of the TV set is P 23 000. 4. Carlo invest P 750 000 at 6 % simple interest a year. His interest is P 48 750. 5. Melissa has 120 kilograms of rice. Her mother sold 105 kilograms. Is she right to tell her mother sold 87.5% of what she sold?	B. Determine the rate, base and p 1. 20% of 50 is 10 2. 80 is 125% of 64 3. 8% of 1 200 is 96 4. 48 is 40% of 120 5. Twenty-one is 25% of 84

J. Additional activities for application or remediation	Complete the table below using the given data 1. The set of even numbers from 1 to 20. 2. The set of odd numbers from 1 to 20. 3. The set of composite numbers from 1 to 20. 4. The set of prime numbers from 1 to 20. Ratio Fraction Percent Decimal	Identify the R, B, and P in the following statements: 1. 180% of 200 is 360 2. 35% of 90 is 31.5 3. P100 is 4% of P2 500 4. 20% of 50 is 10	A. Answer the following questions: 1. Which represent the whole? 2. Which represents part of the whole? 3. Which element has the symbol "%"?	Identify the R, B, and P in the following statement. 1. 180% of 200 is 360 2. 35% of 90 is 31.5 3. P 100 is 4% of P2 500 4. 51 children, 66 % of them are boys, 34 are boys 5. 16 is 20% of 80	Read and answer the following problems. 1. Mrs.Acorda opened an account in LandBank of the Philippines. amount of P 15 000 that will earn an interest of P150 after a m monthly. a. What are given data in the problem? b. Which of the data is the base? Rate?percentage? 2. She then updated her time deposit account. The amount typed at She asked for the rate given to her P30,000 deposit and was tol a. What are the given data in the problem? b. Which data is the rate? base? Percentage?
V.REMARKS				Introduce new topic	
VI.REFLECTION					
A. Number of pupils who earned 80% in the evaluation					
B. Number of learners who require additional activities for remediation who score below 80%					
C. Did the remedial lesson work? No. of learners who got caught up in the lesson					
D. Number of learners who continue to require remediation					
E. Which of my teaching strategy worked well? Why did this work?					
F. What difficulties did I encounter which my principal or supervisor can help me solve?					
G. what innovation or localized materials did I used to discover which I wish to share with the teachers.					