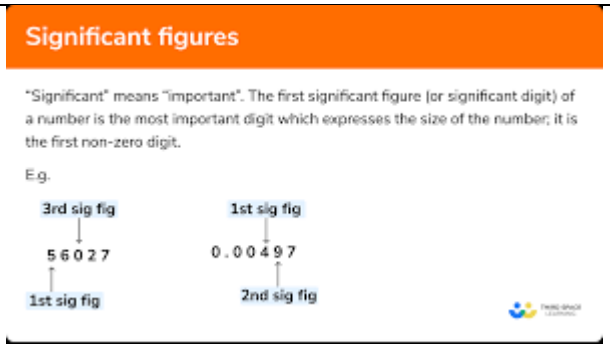
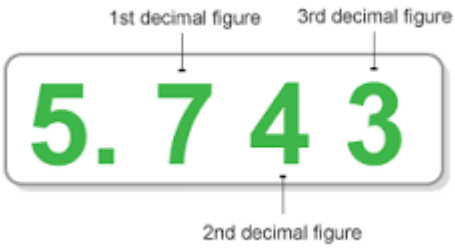
BASIC 8

WEEKLY LESSON PLAN – WEEK 4

Strand:	Number		**Sub-Strand:**	Number and Numeration Systems	
Content Standard:	B.8.1.1.1 Demonstrate understanding and the use of place value for expressing quantities in standard form and rounding numbers and decimals to significant figures and a given number of decimal places.				
Indicator (s)	8.1.1.1.5 Express integers in a given number of significant and decimal places. 8.1.1.1.6 Create and solve word or real life problems on place values		**Performance Indicator:** Learners can solve word problems on place value questions.		
Week Ending	04-10-2024				
Class	B.S.8	**Class Size:**		**Duration:**	
Subject	Mathematics				
Reference	Mathematics Curriculum, Teachers Resource Pack, Learners Resource Pack, Textbook.				
Teaching / Learning Resources	Poster, Pictures, Word Chart.		**Core Competencies:**	• Demonstrate a thorough understanding of a generalized concept and facts specific to task or situation. • Ability to reflect on approaches to creative task and evaluate the effectiveness of tools used	

DAY/DATE	**PHASE 1 : STARTER**	**PHASE 2: MAIN**	**PHASE 3: REFLECTION**
MONDAY	Learners brainstorm to explain the meaning of "significant figures".	1. Demonstrate expressing integers to numbers of significant figures. 2. Assist Learners to practice expressing given integers to a number of significant figures. **writing the number of significant figures in a number using the following 3 rules:** 1. Non-zero digits are always significant. 2. Any zeros between two significant digits are significant. 3. A final zero or trailing zeros in the decimal portion ONLY are significant. Eg. 1. Write 12.378162 correct to 4 significant digits. Solution: The number 12.378162, rounded to 4 significant digits is 12.38 Hence, 12.38 is the answer.	Learners in small group to practice solving more examples of expressing integers to a umber of significant figures. **Exercise;** 1. Determine the number of significant digits from the following given numbers; i. 84 ii. 0.084 iii. 5.8480 iv. 2005 v. 8400 2. Solve the following; i. 4.76 + 5.62 + 33.21 and find the number of significant digits/figures. ii. Estimate the number of significant

			iii. Write 45.378212 correct to 3 significant digits/figures.
WEDNESDAY	Discuss the meaning of "Decimal Places" with the Learners.	1. Learners brainstorm to write examples of decimals. 2. Demonstrate rounding decimals to decimal places. 3. Learners practice rounding decimals to decimal places. **i. What is 2.738 Round to Two Decimal Places?** In the given number 2.738, the digit at the thousandths place is 8, so we will add 1 to the hundredths place digit. So, 3+1=4. Therefore, the value of 2.738 round to two decimal places is 2.74. ii. **What is 6.998174 to the 2 decimal place?** 6.998174 rounded to 2 decimal places is 7.00 iii. **What is 0.86431 to 2 decimal place?** 0.86431 in 2 decimal places is 0.86 iv. **What is 2.72603 to 2 decimal places?** Answer: 2.72603 rounded off to 2 decimal places is 2.73. Hence, 1 will be added to 2. 	Learners individually, practice rounding decimals to decimal places. **Exercise;** Round the following decimals to 2 decimal places; i. 189.434 ii. 27.987 iii. 5.413 iv. 17.095 v. 79.836
FRIDAY	Using a Poster, Assist Learners to read examples of Word Problems or story problems.	1. Discuss examples of real-life problems about place value with the Learners. 2. Assist Learners to create examples of word or story problems and solve them. 3. Learners in small groups to discuss and solve word problems about place value. **Problem #1:** A number has 5 tens and 2 more ones than tens. What is the number?	Each group to present their work for marking, appreciation and criticisms if any. **Exercise;** 1. What number has 7 tens and 3 less ones than

		Solution 2 more ones than tens is equal to 5 + 2 or 7. Therefore, the number has 5 tens and 7 ones. The number is 57. **Problem #2:** A number has 8 ones and 2 fewer tens than ones. What is the number? **Solution** 2 fewer tens than ones is equal to 8 - 2 = 6. Therefore, the number has 6 tens and 8 ones. The number is 68. **Problem #3:** A number has 6 tens and the same number of ones as tens. What is the number? **Solution** The number has 6 tens and 6 ones. The number is 66. **Problem #4:** A 4-digit number has a 6 in the thousands place, a 9 in the ones place and 0s elsewhere. What is the number? **Solution** The number is 6009	tens? 2. What number has 9 thousands and 4 less hundreds than thousands? 3. Find the product of the place values of two 4s in the numeral 30426451.

Name of Teacher: **School:** **District:**