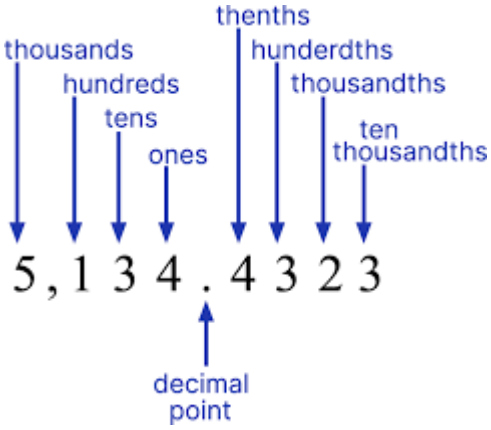
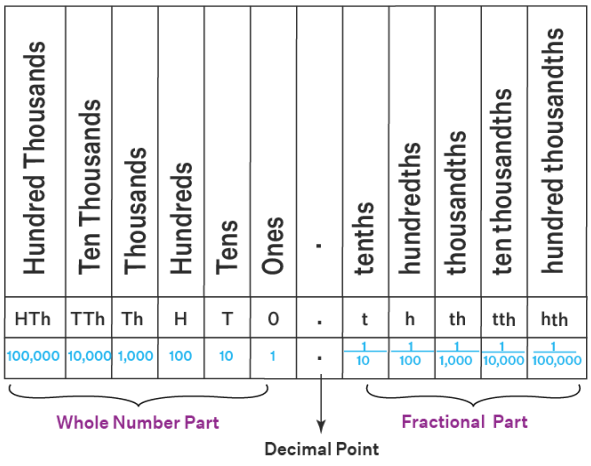
BASIC 7

WEEKLY LESSON PLAN – WEEK 2

Strand:	Number		**Sub-Strand:**	Number and Numeration Systems	
Content Standard:	B7.1.1.1 Demonstrate understanding and the use of place value for expressing quantities recorded as base ten numerals as well as rounding these to given decimal places and significant figures				
Indicator (s)	B7.1.1.1.3 Round (off, up, down) whole numbers more than 1,000,000,000 to the nearest hundred-thousand, ten-thousands, thousands, hundreds and tens B7.1.1.1.4 Round decimals to the nearest tenth, hundredth, thousandths, etc.E.g.1 Round (off, up and down) decimals to the nearest tenths, hundredths, thousandths… B7.1.1.1.5 Express decimal numerals to given significant and decimal places		**Performance Indicator:** Learners can run off, up and down decimals.		
Week Ending	20-09-2024				
Class	B.S.7	**Class Size:**		**Duration:**	
Subject	Mathematics				
Reference	Mathematics Curriculum, Teachers Resource Pack, Learners Resource Pack, Textbook.				
Teaching / Learning Resources	Pictures, number chat, graph sheet.		**Core Competencies:**	• Exhibit strong memory, intuitive thinking; and respond appropriately • Preparedness to make better decision with information at hand	

DAY/DATE	**PHASE 1 : STARTER**	**PHASE 2: MAIN**	**PHASE 3: REFLECTION**
TUESDAY	Demonstrate how to round off whole numbers whilst Learners observe.	1. Assist Learners to round off whole numbers up to over 1,000,000,000 to the nearest hundred-thousands, ten-thousands, thousands, hundreds 2. Discuss with Learners the differences between the" round up" and "round down" concept. 3. Learners brainstorm to express whole numbers of significant figures. When rounding up, we consider the larger number, while when rounding down, we consider the smaller of the two. The table below may bring out the meaning of the concept. 2,846,655 Round up Round down Round off To the nearest thousand 2,847,000 2,846,000 2,847,000 To the nearest ten thousand 2,850,000 2,840,000 2,850,000 To the nearest hundred thousand 2,900,000 2,800,000	Reflect on the difference between round off, round up and round down

		2,800,000	
THURSDAY	Review Learners knowledge on the previous lesson.	1. Demonstrate rounding off, up and down decimals to the nearest tenth, hundredth and thousandth. 2. Assist learners to practice rounding off, up and down decimals to the nearest tenth, hundredth and thousandth.  Decimal Place Value Chart  	Engage Learners in rounding off, up and down decimals to the tenth, hundredth and thousandth. **Exercise;** 1. Round 1.738 to the nearest hundredth. 2. Round 0.133 to the nearest hundredth 3. Find the approximate value of the decimal number 1.090909 to two decimal places 4. Round 382.993 to the nearest hundredth 5. Round 5.592 to the nearest hundredt

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FRIDAY	Discuss the meaning of significant and decimal places with the Learners.	1. Learners brainstorm to explain when zero (0) is significant in a decimal numeral. 2. Demonstrate rounding off, up and down numbers to third, fourth and fifth significant places. 3. Assist Learners to round off, round up and round down numbers to third, fourth and fifth significant places. 4. Discuss with Learners ways of expressing decimal numbers to a given number of decimal places. Round to two decimal places is a technique to find the approximate value of a decimal number up to hundredths place. **How to Round to Two Decimal Places?** • **Step 1:** Identify the digit at the thousandths place or the third place to the right of the decimal point. • **Step 2:** If the thousandths place digit is greater than or equal to 5, the hundredths place digit will be increased by one. And if the thousandths place digit is less than 5, the hundredths place digit will remain unchanged. • **Step 3:** Ignore all the remaining digits in the decimal part of the number. **Round 0.9999 to two decimal places.** **Solution:** To round a decimal number to two decimal places, the first step is to identify the thousandths place digit which is 9 in the given number 0.9999. Since 9>5, we have to add 1 to the hundredths place digit. The digit at the hundredths place is 9, so if we add 1 to it we will get 10. Again we have to add 1 to the tenths place keeping 0 at the hundredths place. The tenths place digit is 9, so 9 + 1	Through questions and answers, conclude the lesson.

		= 10. So, again add 1 to the ones place digit keeping 0 at the tenths place. Finally, we get that 0.9999 ≈ 1.00. Therefore, by using the round to two decimal places rules, we get that 0.9999 ≈ 1.00.	

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