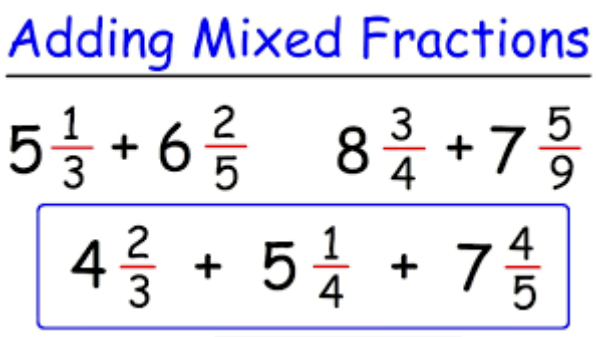
Strand:	Number	**Sub-Strand:**	Fractions, Decimals and Percentages

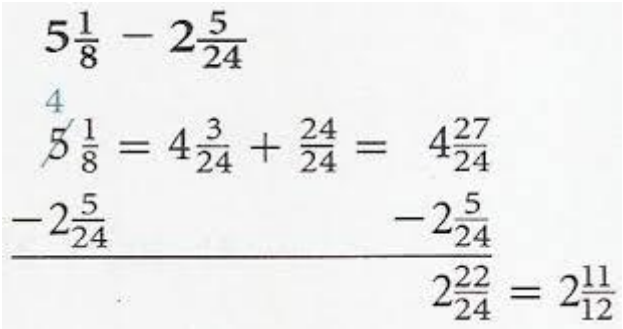
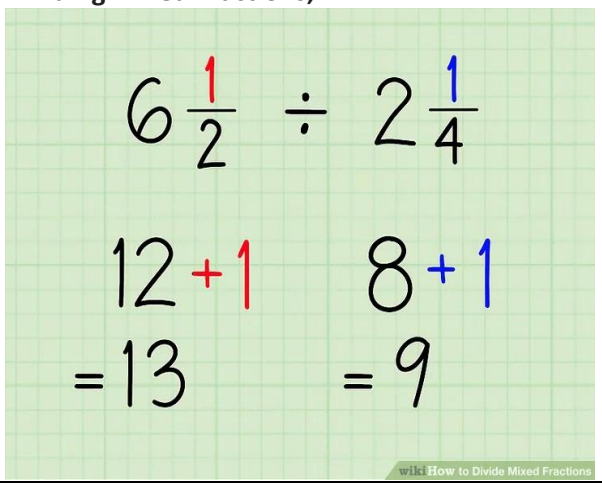
BASIC 7

WEEKLY LESSON PLAN – WEEK 8

Content Standard:	B7.1.3.2 Demonstrate an understanding of the process of addition and/or subtraction of fractions and apply this in solving problems				
Indicator (s)	B7.1.3.2.1 Explain the process of addition and subtraction of two or three unlike and mixed fractions B7.1.3.2.2 Solve problems involving addition or subtraction of fractions.		**Performance Indicator:** learners can solve word Problems involving addition and subtraction of fractions.		
Week Ending	**24-11-2023**				
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, bottle tops, bundle of sticks		**Core Competencies:**	Ability to ascertain when information is needed and be able to identify, locate, evaluate and effectively use them to solve a problem	

DAY/DATE	**PHASE 1 : STARTER**	**PHASE 2: MAIN**	**PHASE 3: REFLECTION**
TUESDAY	Learners brainstorm to mention examples of mixed fractions.	1. Demonstrate how to add mixed fractions. 2. Discuss with Learners the steps follow to add mixed fractions. 3. Assist Learners to add mixed fractions.  Adding Mixed Fractions When it comes to adding Mixed or Improper fractions, we can have either the same denominators for both the fractions to be added or the denominators can differ too. Here's a step-wise method to add the improper fraction with same or different denominators. Adding with the same Denominators. Example: 6/4 + 5/4	Learners in small groups to add mixed fractions. **Exercise;** Add; i. 2 ¼ + 4 2/3 ii. 3 ½ + 4 1/3 iii. 5 ¼ + 3 2/3 iv. 9 1/5 + 2 2/3 v. 2 1/6 + 1 1/3

		Adding with the Different Denominators. Example: 8/6 +12 /8 Step 1: Keep the denominator '4' same. Step 1: Find the LCM between the denominators, i.e. the LCM of 6 and 8 is 24 Step 2: Add the numerators '6' +'5' =11. Step 2: Multiply both Denominators and Numerators of both fractions with a number such that they have the LCM as their new Denominator. Multiply the numerator and Denominator of 8/6 with 4 and 12/8 with 3. Step 3: If the answer is in improper form, Convert it into a mixed fraction, i.e. 11/4 = 2 (¾) Step 3: Add the Numerator and keep the Denominators same. 32 / 24 + 36 / 24 = 68/24 = 17/6 So, We have 2 (¾) wholes. Step 4: If the answer is in Improper form, convert it into Mixed Fraction: 2 (⅝)	
THURSDAY	Review Learners knowledge on the previous lesson.	1. Learners brainstorm to mention examples of mixed fraction. 2. Demonstrate how to subtract mixed fractions whilst Learners observe. 3. Assist Learners to subtract mixed fractions. **Subtracting Mixed Fractions** Here's a step-wise explanation of how to Subtract the improper fraction with Same or Different Denominators. Subtracting with the same Denominators. Example: 6/4 – 5/4 Subtracting with the different Denominator 12/8 – 8/6 Step 1: Keep the denominator '4' the same. Step 1: Find the LCM between the denominators, i.e. the LCM of 8 and 6 is 24 Step 2: Subtract the numerators '6' -'5' =1. Step 2: Multiply both Denominators and Numerators of both fractions with a number such that they have the LCM as their new Denominator. Multiply the numerator and Denominator of 8/6 with 4 and 12/8 with 3. Step 3: If the answer is in improper form, Convert it into a mixed fraction. i.e. 1/4 Step 3: Subtract the Numerator and keep the Denominators the same. 36 / 24 – 32/24 = 4/24	Through questions and answers, conclude the lesson.

		So, We have 1/4 wholes. Step 4: If the answer is in Improper form, convert it into Mixed Fraction. 4/24 = 1/6 	
FRIDAY	Review Learners knowledge on the previous lesson.	1. Discuss the rules involved in multiplying and dividing mixed fractions. 2. Demonstrate how to multiply and divide mixed fractions. 3. Assist Learners to multiply and divide mixed fractions. **Rules for multiplying mixed Fraction;** Step 1: Convert the mixed number into an improper fraction. Step 2: Multiply the numerators of the fraction and multiply the denominators of the fraction. Step 3: Convert it into simplified form if required. **Dividing Mixed Fractions;** 	Learners in small groups to solve more examples of multiplying and dividing mixed fractions.

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