## **EaD Comprehensive Lesson Plans**



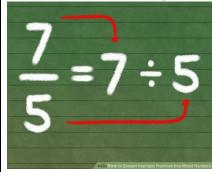
## **WEEKLY LESSON PLAN – WEEK 7**

Strand:	Number	S	ub-Stra	nd:	Fractions, Decimals and Percentages			
Content Standard:	B7.1.3.1 Simplify, compare and order a mixture of positive fractions (i.e. common, percent and decimal) by changing all to equivalent (i) fractions (ii) decimals, or (iii) percentages							
Indicator (s)	B7.1.3.1.1 Determine and recall the percentages and decimals of given benchmark fractions (i.e. tenths, fifths, fourths, thirds and halves) and use these to compare quantities  B7.1.3.1.2 Compare and order fractions (i.e. common, percent and decimal fractions up to thousandths) limit to the benchmark fractions			Performance Indicator: Learners can convert fractions to decimals and decimals to Percentages.				
Week Ending	17-11-2023							
Class	B.S.7	Class Size:			Dura	ition:		
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:							
DAY/DATE	PHASE 1: STARTER	PHASE 2: MAIN					PHASE 3: REFLECTION	
TUESDAY	Review Learners knowledge on the concept of Fraction.	<ol> <li>Demonstrate writing fractions in their simplest forms.</li> <li>Assist Learners to practice writing fractions in their simplest forms.</li> <li>Discuss with Learners how to convert mixed fractions to improper fractions.</li> <li>Learners in small groups to practice converting improper fractions to mixed fractions.</li> </ol>				Reflect on converting from mixed fractions to improper fractions.		

## $\frac{13}{6} \rightarrow \frac{1}{6}$

**Converting An Improper Fraction** 

1. Divide the numerator by the denominator



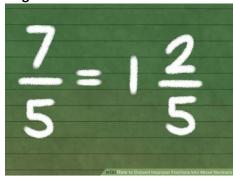
2. Write the whole number answer.

$$\frac{7}{5} = 7 \div 5$$

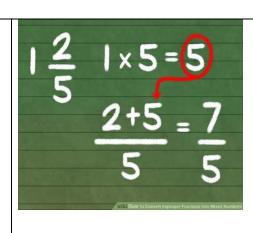
$$5\sqrt{7} = 1 R2$$

$$-\frac{5}{2}$$

3. Make a fraction from the remainder and the original denominator



5. To get back to an improper fractions, add the whole number to the numerator



## **THURSDAY**

Review Learners knowledge on the previous lesson.

- 1. Demonstrate converting fractions to decimals.
- 2. Assist Learners to convert fractions to decimals and decimals to fractions.
- 3. Discuss with Learners how to find percent equivalences of fractions.

Converting from fractions to decimals using long division;

0.625 8)5.000 0 5.0 4.8 20 16 40 40

5/8 = 0.625

Convert 34 to a Decimal

Step 1: We can multiply 4 by 25 to become 100

Step 2: Multiply top and bottom by 25:

×25

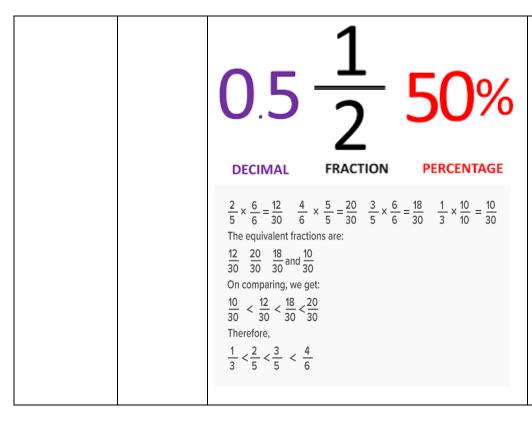
*3/***4** = *75/***100** 

×25

Step 3: Write down 75 with the decimal point 2 spaces from the right (because 100 has 2 zeros);

Reflect on how to convert fractions to decimals.

	A = 0.75	
	Answer = 0.75	
	Convert 3/16 to a Decimal	
	Step 1: We have to multiply 16 by <b>625</b> to become 10,000	
	Step 2: Multiply top and bottom by 625:	
	×625	
	3/ <b>16</b> = 1,875/ <b>10,000</b>	
	×625	
	Step 3: Write down 1875 with the decimal point 4 spaces from the right (because 10,000 has 4 zeros);	
	Answer = 0.1875	
	(a) $\frac{2}{5}$ $\frac{2}{5} = \frac{4}{10} = 0.4$	
	(b) $\frac{3}{50}$ $\frac{3}{50} = \frac{6}{100} = 0.06$	
	(c) $\frac{6}{25}$ $\frac{6}{25} = \frac{24}{100} = 0.24$	
	(d) $\frac{5}{4}$ $\frac{5}{4} = \frac{125}{100} = 1.25$	
	(e) $\frac{7}{250}$ $\frac{7}{250} = \frac{28}{1000} = 0.028$	
FRIDAY Learners	Assist Learners to arrange fractions in	Through questions and answers,
brainstorm	ascending and descending order.	conclude the lesson.
to explain ascending	<ol><li>Learners in small groups to compare decimals using greater than &gt;, less than</li></ol>	Exercise;
and	and equals to =	<sup>1.</sup> Arrange the following numbers
descending order.	<ol> <li>Assist Learners to compare and order common and decimal fractions and percent,</li> </ol>	in ascending order:
	and express them in one form.	4 <sup>3</sup> , 5 <sup>2</sup> , 1 <sup>5</sup> , 2 <sup>6</sup> , 3 <sup>4</sup>
		Arrange the following numbers



in descending order:

 $4^2$ ,  $5^2$ ,  $2^4$ ,  $3^3$ 

- 3. Arrange  $\frac{3}{7}$ ,  $\frac{2}{7}$ ,  $\frac{5}{7}$ ,  $\frac{1}{7}$  in
- ascending order.

  4. Arrange  $\frac{3}{7}$ ,  $\frac{3}{8}$ ,  $\frac{3}{5}$ ,  $\frac{3}{4}$  in ascending order.
- 5. Arrange  $\frac{2}{5}$ ,  $\frac{4}{6}$ ,  $\frac{3}{5}$  and  $\frac{1}{3}$  in ascending order.

Name of Teacher: School: District: