DOYEN PUBLISHERS
SCHEMES OF WORK TERM II 2025
GRADE 4 MATHEMATICS

Week	Lesson	Strand	Sub-Strand	Specific-Learning Outcomes	Teaching Experiences	K..I.Q	Learning Resources	Assessment Methods	Reflecti
1	1	**Numbers**	Fractions	By the end of the lesson, the learner should be able to: a) Identify fraction as part of a group. b) Represent fractions as part of a group. c) Appreciate fraction as part of a group.	Learners are guided in pairs, in groups or individually to: Identify fraction as part of a group. Represent fractions as part of a group.	How do you represent fraction as part of a group?	Number cards Place value apparatus Digital devices Video clips **KLB Visionary Mathematics Learner's Book Grade 4 Pg. 59-60**	Written exercises Portfolios Oral questions Observation Group discussion	
	2	**Numbers**	Fractions	By the end of the lesson, the learner should be able to: a) Discuss how to write numerators and denominators in fractions. b) Write numerators and denominators in fractions in different situations. c) Have fun writing numerators and denominators fractions	Learners are guided in pairs, in groups or individually to: Discuss how to write numerators and denominators in fractions. Write numerators and denominators in fractions in different situations.	How do you write numerators and denominators in fractions?	Number cards Place value apparatus Digital devices Video clips **KLB Visionary Mathematics Learner's Book Grade 4 Pg. 60-61**	Written exercises Portfolios Oral questions Observation Group discussion	

	3	**Numbers**	Fractions	By the end of the lesson, the learner should be able to: a) Discuss types of fractions. b) Write proper, improper or mixed fractions. c) Appreciate different types of fractions.	Learners are guided in pairs, in groups or individually to: Discuss types of fractions. Write proper, improper or mixed fractions.	How many types of fractions do you know?	Number cards Place value apparatus Digital devices Video clips **KLB Visionary Mathematics Learner's Book Grade 4 Pg. 61-62**	Written exercises Portfolios Oral questions Observation Group discussion	
	4	**Numbers**	Fractions	By the end of the lesson, the learner should be able to: a) Discuss how to convert improper fractions to mixed fractions b) Convert improper fractions to mixed fractions. c) Appreciate converting improper fractions to mixed fractions.	Learners are guided in pairs, in groups or individually to: Discuss how to convert improper fractions to mixed fractions Convert improper fractions to mixed fractions.	How do you convert improper fractions to mixed fractions?	Number cards Place value apparatus Digital devices Video clips **KLB Visionary Mathematics Learner's Book Grade 4 Pg. 63**	Written exercises Portfolios Oral questions Observation Group discussion	
	5	**Numbers**	Fractions	By the end of the lesson, the learner should be able to: a) Discuss how to convert mixed fractions to improper fractions b) Convert mixed fractions to mixed improper fractions. c) Appreciate converting mixed fractions to improper fractions.	Learners are guided in pairs, in groups or individually to: Discuss how to convert mixed fractions to improper fractions Convert mixed fractions to mixed improper fractions.	How do you convert mixed fractions to improper fractions?	Number cards Place value apparatus Digital devices Video clips **KLB Visionary Mathematics Learner's Book Grade 4 Pg. 64**	Written exercises Portfolios Oral questions Observation Group discussion	

2	1	**Numbers**	Decimals	By the end of the lesson, the learner should be able to: a) Identify and write down a tenth. b) Divide a unit square into 10 equal parts, shade one of the ten parts and write the shaded part as a fraction. c) Appreciate writing tenths in different situations.	Learners are guided in pairs, in groups or individually to: Identify and write down a tenth. Divide a unit square into 10 equal parts, shade one of the ten parts and write the shaded part as a fraction.	How do we write a tenth?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 65-66**	Written exercises Portfolios Oral questions Observation Group discussion	
	2	**Numbers**	Decimals	By the end of the lesson, the learner should be able to: a) Identify and write down a hundredth. b) Take a 100 square grid and shade 10 of the parts and write the shaded part as a fraction. c) Appreciate writing hundredths in different situations.	Learners are guided in pairs, in groups or individually to: Identify and write down a hundredth. Take a 100 square grid and shade 10 of the parts and write the shaded part as a fraction.	How do you hundredths?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 66-67**	Written exercises Portfolios Oral questions Observation Group discussion	
	3	**Numbers**	Decimals	By the end of the lesson, the learner should be able to: a) Discuss how to write tenths using decimal notation. b) Write tenths using decimal notation in different situations. c) Appreciate writing tenths using decimal	Learners are guided in pairs, in groups or individually to: Discuss how to write tenths using decimal notation. Write tenths using decimal notation in different situations.	How do write hundredths using decimal notation?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's**	Written exercises Portfolios Oral questions Observation Group discussion	

				notation in different situations.			**Book Grade 4 pg. 67-70**		
	4	**Numbers**	Decimals	By the end of the lesson, the learner should be able to: a) Discuss how to write hundredths using decimal notation. b) Write hundredths using decimal notation in different situations. c) Appreciate writing hundredths using decimal notation in different situations.	Learners are guided in pairs, in groups or individually to: Discuss how to write hundredths using decimal notation. Write hundredths using decimal notation in different situations.	How do write tenths using decimal notation?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 67-70**	Written exercises Portfolios Oral questions Observation Group discussion	
	5	**Numbers**	Decimals	By the end of the lesson, the learner should be able to: a) Identify how to find the place value of decimals up to tenths b) Use an abacus to represent the place value of decimals up to tenths c) Enjoy finding the place value of decimals up to tenths.	Learners are guided in pairs, in groups or individually to: Identify how to find the place value of decimals up to tenths Use an abacus to represent the place value of decimals up to tenths	How do you find the place value of decimals up to tenths?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 70-72**	Written exercises Portfolios Oral questions Observation Group discussion	
3	1	**Numbers**	Decimals	By the end of the lesson, the learner should be able to: a) Identify the place value of decimals up to hundredths b) Write the place value of decimals up to hundredths using the place value chart or abacus	Learners are guided in pairs, in groups or individually to: Identify the place value of decimals up to hundredths Write the place value of decimals up to hundredths using the place	How do you find the place value of decimals up to hundredths?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's**	Written exercises Portfolios Oral questions Observation Group discussion	

				c) Have fun finding the place value of decimals up to hundredths.	value chart or abacus		**Book Grade 4 pg. 72-74**		
	2	**Numbers**	Decimals	By the end of the lesson, the learner should be able to: a) Discuss how to order decimals up to tenths from the smallest to the largest. b) Order tenths from the smallest to the largest in different situation. c) Enjoy ordering tenths from the smallest to the largest in different situations	Learners are guided in pairs, in groups or individually to: Discuss how to order decimals up to tenths from the smallest to the largest. Order tenths from the smallest to the largest in different situation.	How do you order tenths from the smallest to the largest?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 74-76**	Written exercises Portfolios Oral questions Observation Group discussion	
	3	**Numbers**	Decimals	By the end of the lesson, the learner should be able to: a) Discuss how to order decimals up to tenths from the largest to the smallest. b) Order tenths from the largest to the smallest in different situation. c) Have fun ordering tenths from the largest to the smallest in different situations	Learners are guided in pairs, in groups or individually to: Discuss how to order decimals up to tenths from the largest to the smallest. Order tenths from the largest to the smallest in different situation.	How do you order tenths from the largest to the smallest?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 74-76**	Written exercises Portfolios Oral questions Observation Group discussion	
	4	**Numbers**	Decimals	By the end of the lesson, the learner should be able to: a) Discuss how to order decimals up to hundredths from the smallest to the largest.	Learners are guided in pairs, in groups or individually to: Discuss how to order decimals up to hundredths from	How do you order hundredths from the smallest to the largest?	Place value apparatus Number charts Number cards Digital devices	Written exercises Portfolios Oral questions	

				b) Order decimals up to hundredths from the smallest to the largest in different situation. c) Enjoy ordering decimals up to hundredths from the smallest to the largest in different situations	the smallest to the largest. Order decimals up to hundredths from the smallest to the largest in different situation.		**KLB Mathematics Learner's Book Grade 4 pg. 76-77**	Observation Group discussion	
	5	**Numbers**	Decimals	By the end of the lesson, the learner should be able to: a) Explain how to order decimals up to hundredths from the largest to the smallest. b) Order hundredths from the largest to the smallest in different situation. c) Enjoy ordering hundredths from the largest to the smallest in different situations	Learners are guided in pairs, in groups or individually to: Explain how to order decimals up to hundredths from the largest to the smallest. Order hundredths from the largest to the smallest in different situation.	How do you order hundredths from the largest to the smallest?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 76-77**	Written exercises Portfolios Oral questions Observation Group discussion	
4	1	**Measurement**	Length	By the end of the lesson, the learner should be able to: a) Identify the centimeter as a unit of measuring length b) Write the centimeter as a unit of measuring length. c) Appreciate the centimeter as a unit of measuring length.	Learners are guided in pairs, in groups or individually to: Identify the centimeter as a unit of measuring length Write the centimeter as a unit of measuring length.	What is a centimetre?	Place value apparatus Number charts Number cards Digital device **KLB Mathematics Learner's Book Grade 4 pg. 78**	Written exercises Portfolios Oral questions Observation Group discussion	

	2	**Measurement**	Length	By the end of the lesson, the learner should be able to: a) Collect different items in class to measure. b) Measure the length of different items in class in centimetres c) Have fun measuring items in centimetres.	Learners are guided in pairs, in groups or individually to: Collect different items in class to measure. Measure the length of different items in class in centimetres	How do we measure length in centimetres?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 78-79**	Written exercises Portfolios Oral questions Observation Group discussion	
	3	**Measurement**	Length	By the end of the lesson, the learner should be able to: a) Observe as the teacher measures length of lines using a ruler b) Measure the length of lines in centimetres c) Appreciate measuring the length of lines in centimetres	Learners are guided in pairs, in groups or individually to: Observe as the teacher measures length of lines using a ruler Measure the length of lines in centimetres	How do you measure the length of lines in centimetres?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 80**	Written exercises Portfolios Oral questions Observation Group discussion	
	4	**Measurement**	Length	By the end of the lesson, the learner should be able to: a) Estimate and measure the length of an item in centimetres b) Compare the estimates and the actual measurements and discuss the results c) Appreciate estimating and measuring the length of items in centimetre	Learners are guided in pairs, in groups or individually to: Estimate and measure the length of an item in centimetres Compare the estimates and the actual measurements and discuss the results	How do you estimate length?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 81-82**	Written exercises Portfolios Oral questions Observation Group discussion	

	5	**Measurement**	Length	By the end of the lesson, the learner should be able to: a) Observe a demonstration on how to convert metres to centimetres and centimetres to metres. b) Practise converting metres to centimetres and centimetres to metres. c) Appreciate the ability to convert metres to centimetres and centimetres to metres	Learners are guided in pairs, in groups or individually to: Observe a demonstration on how to convert metres to centimetres and centimetres to metres. Practise converting metres to centimetres and centimetres to metres.	How do you convert centimetres to metres?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 82-83**	Written exercises Portfolios Oral questions Observation Group discussion	
5	1	**Measurement**	Length	By the end of the lesson, the learner should be able to: a) Explain how to convert metres to centimetres and centimetres to metres. b) Establish the relationship between metres and centimetres. c) Appreciate converting metres to centimetres and centimetres to metres.	Learners are guided in pairs, in groups or individually to: Explain how to convert metres to centimetres and centimetres to metres. Establish the relationship between metres and centimetres.	What is the relationship between metres and centimetres?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 82-83**	Written exercises Portfolios Oral questions Observation Group discussion	
	2	**Measurement**	Length-Perimeter of plane figures	By the end of the lesson, the learner should be able to: a) State what perimeter is and give an example. b) Demonstrate the perimeter of a plane figure.	Learners are guided in pairs, in groups or individually to: State what perimeter is and give an example.	What is perimeter?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics**	Written exercises Portfolios Oral questions Observation Group discussion	

				c) Appreciate the perimeter of plane figure.	Demonstrate the perimeter of a plane figure.		**Learner's Book Grade 4 pg. 84-85**		
	3	**Measurement**	Length- Perimeter of plane figures	By the end of the lesson, the learner should be able to: a) Discuss how to find the perimeter of plane figures. b) Find the perimeter of shapes in different situations. c) Appreciate finding the perimeter of plane figures in real life.	Learners are guided in pairs, in groups or individually to: Discuss how to find the perimeter of plane figures. Find the perimeter of shapes in different situations.	How do you find the perimeter of plane figures?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 84-85**	Written exercises Portfolios Oral questions Observation Group discussion	
	4	**Measurement**	Length	By the end of the lesson, the learner should be able to: a) Discuss how to add length in metres and centimetres b) Add length in metres and centimetres different situations. c) Have fun adding length in metres and centimetres different situations.	Learners are guided in pairs, in groups or individually to: Discuss how to add length in metres and centimetres Add length in metres and centimetres different situations.	How do you add length in metres and centimetres?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 85-86**	Written exercises Portfolios Oral questions Observation Group discussion	
	5	**Measurement**	Length	By the end of the lesson, the learner should be able to: a) Discuss how to subtract length in metres and centimetres b) Subtract length in metres and centimetres different situations. c) Enjoy subtracting length in metres and	Learners are guided in pairs, in groups or individually to: Discuss how to subtract length in metres and centimetres Subtract length in metres and	How do you subtract length in metres and centimetres?	Place value apparatus Number charts Number cards Digital devices **KLB; Mathematics Learner's**	Written exercises Portfolios Oral questions Observation Group discussion	

				centimetres different situations.	centimetres different situations.		**Book Grade 4 pg. 87-88**		
6	1	**Measurement**	Length	By the end of the lesson, the learner should be able to: a) Discuss how to multiply length in metres and centimetres b) Multiply length in metres and centimetres different situations. c) Have fun multiplying length in metres and centimetres different situations.	Learners are guided in pairs, in groups or individually to: Discuss how to multiply length in metres and centimetres Multiply length in metres and centimetres different situations.	How do you multiply length in metres and centimetres?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 88-89**	Written exercises Portfolios Oral questions Observation Group discussion	
	2	**Measurement**	Length	By the end of the lesson, the learner should be able to: a) Discuss how to divide length in metres and centimetres b) Divide length in metres and centimetres different situations. c) Enjoy dividing length in metres and centimetres different situations.	Learners are guided in pairs, in groups or individually to: Discuss how to divide length in metres and centimetres Divide length in metres and centimetres different situations.	How do you divide length in metres and centimetres?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 90**	Written exercises Portfolios Oral questions Observation Group discussion	
	3	**Measurement**	Length	By the end of the lesson, the learner should be able to: a) Use IT devices to learn more about length in metres and centimetres. b) Play digital games involving length in metres and centimetres. c) Appreciate the application of	Learners are guided in pairs, in groups or individually to: Use IT devices to learn more about length in metres and centimetres. Play digital games involving length in metres and centimetres.	What have you learnt about length?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 90**	Written exercises Portfolios Oral questions Observation Group discussion	

				subtraction in real life situations.					
	4	**Measurement**	Area	By the end of the lesson, the learner should be able to: a) Identify what area is. b) Compare the area of different surfaces in class. c) Enjoy comparing the area of different surfaces.	Learners are guided in pairs, in groups or individually to: Identify what area is. Compare the area of different surfaces in class.	What is area?	KLB Mathematics Learner's Book Grade 4 pg. 91-93 Place value apparatus Number charts Number cards Digital devices	Written exercises Portfolios Oral questions Observation Group discussion	
	5	**Measurement**	Area	By the end of the lesson, the learner should be able to: a) Trace and cut out surfaces b) Compare the surfaces and identify which surface has bigger or smaller area c) Appreciate comparing the area of surfaces of different items.	Learners are guided in pairs, in groups or individually to: Trace and cut out surfaces Compare the surfaces and identify which surface has bigger or smaller area	Which surface has bigger area?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 91-93**	Written exercises Portfolios Oral questions Observation Group discussion	
7	1	**Measurement**	Area-Square	By the end of the lesson, the learner should be able to: a) Obtain unit squares b) Use the unit squares to find the area of given squares c) Appreciate using unit squares to measure area of squares	Learners are guided in pairs, in groups or individually to: Obtain unit squares Use the unit squares to find the area of given squares	Where is area applied in real life?	Place value apparatus Number charts Number cards Digital devices Multiplication table **KLB Mathematics Learner's**	Written exercises Portfolios Oral questions Observation Group discussion	

							Book Grade 4 pg. 93-95		
	2	**Measurement**	Area-rectangle	By the end of the lesson, the learner should be able to: a) Observe how to find the area of rectangles using unit squares b) Use the squares to find the rectangle of given squares c) Appreciate using unit squares to measure area of rectangles	Learners are guided in pairs, in groups or individually to: Observe how to find the area of rectangles using unit squares Use the squares to find the rectangle of given squares	How do you use a unit square to find area?	Place value apparatus Number charts Number cards Digital devices Multiplication table **KLB Mathematics Learner's Book Grade 4 pg. 95-97**	Written exercises Portfolios Oral questions Observation Group discussion	
	3	**Measurement**	Area	By the end of the lesson, the learner should be able to: a) Explain how to find area of a square by multiplying rows and columns. b) Calculate the area of squares by multiplying rows and columns c) Appreciate finding area by multiplying rows and columns	Learners are guided in pairs, in groups or individually to: Explain how to find area of a square by multiplying rows and columns. Calculate the area of squares by multiplying rows and columns	How do you find area of a square?	Place value apparatus Number charts Number cards Digital devices Multiplication table **KLB Mathematics Learner's Book Grade 4 pg. 97-98**	Written exercises Portfolios Oral questions Observation Group discussion	
	4	**Measurement**	Area	By the end of the lesson, the learner should be able to: a) Explain how to find area of a rectangle by multiplying rows and columns. b) Calculate the area of rectangles by	Learners are guided in pairs, in groups or individually to: Explain how to find area of a rectangle by multiplying rows and columns.	How do you find area of a rectangle?	Place value apparatus Number charts Number cards Digital devices	Written exercises Portfolios Oral questions Observation Group discussion	

				multiplying rows and columns c) Appreciate finding area of rectangles by multiplying rows and columns	Calculate the area of rectangles by multiplying rows and columns		Multiplication table **KLB Mathematics Learner's Book Grade 4 pg. 98-99**		
	5	**Measurement**	Area	By the end of the lesson, the learner should be able to: a) Use IT devices to learn more about area. b) Play games involving areas c) Appreciate learning more on area using ICT devices.	Learners are guided in pairs, in groups or individually to: Use IT devices to learn more about area. Play games involving areas	Where is area applied in real life?	Place value apparatus Number charts Number cards Digital devices Multiplication table **KLB Mathematics Learner's Book Grade 4 pg. 100-101**	Written exercises Portfolios Oral questions Observation Group discussion	
8	**MIDTERM BREAK**								
9	1	**Measurement**	Mass	By the end of the lesson, the learner should be able to: a) Identify what mass is and give an example. b) Prepare 1 kg masses c) Have fun preparing 1 kg masses	Learners are guided in pairs, in groups or individually to: Identify what mass is and give an example. Prepare 1 kg masses	What is mass?	Number charts Digital devices Multiplication table **KLB Mathematics Learner's Book Grade 4 pg. 102**	Written exercises Portfolios Oral questions Observation Group discussion	
	2	**Measurement**	Mass	By the end of the lesson, the learner should be able to: a) Use the I kg mass prepared to measure mass of different items	Learners are guided in pairs, in groups or individually to: Use the I kg mass prepared to	How do you prepare masses?	Number charts Number cards Digital devices	Written exercises Portfolios Oral questions	

				b) Discuss the results in class c) Enjoy measuring mass using I kg mass.	measure mass of different items Discuss the results in class		Multiplication table **KLB Mathematics Learner's Book Grade 4 pg. 102**	Observation Group discussion	
	3	**Measure ment**	Mass	By the end of the lesson, the learner should be able to: a) Identify and prepare ½ kg masses with guidance from the teacher b) Use the ½ kg masses to measure mass of items and discuss the results c) Have fun measuring mass of items using ½ kg mass.	Learners are guided in pairs, in groups or individually to: Identify and prepare ½ kg masses with guidance from the teacher Use the ½ kg masses to measure mass of items and discuss the results	How do you prepare ½ kg mass?	Place value apparatus Number charts Number cards Digital devices Multiplication table **KLB Mathematics Learner's Book Grade 4 pg. 102-103**	Written exercises Portfolios Oral questions Observation Group discussion	
	4	**Measure ment**	Mass	By the end of the lesson, the learner should be able to: a) Identify and prepare ¼ kg masses with guidance from the teacher b) Use the ¼ kg masses to measure mass of items and discuss the results c) Enjoy measuring mass of items using ¼ kg mass.	Learners are guided in pairs, in groups or individually to: Identify and prepare ¼ kg masses with guidance from the teacher Use the ¼ kg masses to measure mass of items and discuss the results	How do you prepare ¼ kg mass?	KLB Mathematics Learner's Book Grade 4 pg. 103-104 Place value apparatus Number charts Number cards Digital devices Multiplication table	Written exercises Portfolios Oral questions Observation Group discussion	
	5	**Measure ment**	Mass	By the end of the lesson, the learner should be able to:	Learners are guided in pairs, in groups or individually to:	Have you ever bought items in ½	KLB Mathematics Learner's	Written exercises Portfolios	

				a) Calculate mass in ½ kilogram and ¼ kilogram b) Use ICT devices to learn more on half and quarter kilogram masses c) Appreciate calculating mass in ½ kilogram and ¼ kilogram in real life situation.	Calculate mass in ½ kilogram and ¼ kilogram Use IT devices to learn more on half and quarter kilogram masses	and ¼ kilograms?	Book Grade 4 pg. 104-105 Place value apparatus Number charts Number cards Digital devices	Oral questions Observation Group discussion	
10	1	**Measurement**	Mass	By the end of the lesson, the learner should be able to: a) Discuss how to add mass in kilograms b) Add mass in kilograms in real life situations. c) Have fun adding mass kilograms in real life situations.	Learners are guided in pairs, in groups or individually to: Discuss how to add mass in kilograms Add mass in kilograms in real life situations.	How do you add mass in kilograms?	KLB Mathematics Learner's Book Grade 4 pg. 105-106 Place value apparatus Number charts Number cards Digital devices	Written exercises Portfolios Oral questions Observation Group discussion	
	2	**Measurement**	Mass	By the end of the lesson, the learner should be able to: a) Discuss how to subtract mass in kilograms b) Subtract mass in kilograms in real life situations. c) Enjoy subtracting mass kilograms in real life situations.	Learners are guided in pairs, in groups or individually to: Discuss how to subtract mass in kilograms Subtract mass in kilograms in real life situations.	How do you subtract mass in kilograms?	KLB Mathematics Learner's Book Grade 4 pg. 106 Place value apparatus Number charts Number cards Digital devices	Written exercises Portfolios Oral questions Observation Group discussion	

	3	**Measurement**	Mass	By the end of the lesson, the learner should be able to: a) Learn more on addition and subtraction of mass in kilograms using IT devices. b) Play digital games involving mass in kilograms c) Appreciate learning more on addition and subtraction of mass in kilograms.	Learners are guided in pairs, in groups or individually to: Learn more on addition and subtraction of mass in kilograms using IT devices. Play digital games involving mass in kilograms	What is the importance of mass in real life?	KLB Mathematics Learner's Book Grade 4 pg. 106 Place value apparatus Number charts Number cards Digital devices	Written exercises Portfolios Oral questions Observation Group discussion	
	4	**Measurement**	Volume	By the end of the lesson, the learner should be able to: a) Identify cubes and cuboids. b) Count the number of faces and edges of cubes and cuboids. c) Appreciate identifying cubes and cuboids.	Learners are guided in pairs, in groups or individually to: Identify cubes and cuboids. Count the number of faces and edges of cubes and cuboids.	What is a cube?	KLB Mathematics Learner's Book Grade 4 pg. 107 Place value apparatus Number charts Number cards Digital devices	Written exercises Portfolios Oral questions Observation Group discussion	
	5	**Measurement**	Volume	By the end of the lesson, the learner should be able to: a) Make models of cubes and cuboids using clay, plasticine and paper mache. b) Discuss the models made in class. c) Have fun modeling cubes and cuboids	Learners are guided in pairs, in groups or individually to: Make models of cubes and cuboids using clay, plasticine and paper mache. Discuss the models made in class.	How many sides do a cube has?	Place value apparatus Number charts Number cards Digital devices Equivalent fraction board **KLB Mathematics**	Written exercises Portfolios Oral questions Observation Group discussion	

							Learner's Book Grade 4 pg. 107-108		
11	1	**Measurement**	Volume	By the end of the lesson, the learner should be able to: a) Sort cubes and cuboids. b) Learn more about cubes and cuboids using IT devices. c) Appreciate cubes and cuboids	Learners are guided in pairs, in groups or individually to: Sort cubes and cuboids. Learn more about cubes and cuboids using IT devices.	How man sides and edges do a cuboid have?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 107-108**	Written exercises Portfolios Oral questions Observation Group discussion	
	2	**Measurement**	Volume	By the end of the lesson, the learner should be able to: a) Identify a unit cube. b) Use unit cubes to form other larger cubes. c) Appreciate making larger cubes using a unit cube.	Learners are guided in pairs, in groups or individually to: Identify a unit cube. Use unit cubes to form other larger cubes.	What is a unit cube?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 Pg. 108**	Written exercises Portfolios Oral questions Observation Group discussion	
	3	**Measurement**	Volume	By the end of the lesson, the learner should be able to: a) State how to find the volume of a cube. b) Find the volume of a cube by counting the number of cubes in a stack. c) Appreciate finding the volume of cubes.	Learners are guided in pairs, in groups or individually to: State how to find the volume of a cube. Find the volume of a cube by counting the number of cubes in a stack.	How do you find the volume of a cube?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 108-109**	Written exercises Portfolios Oral questions Observation Group discussion	

	4	**Measurement**	Volume	By the end of the lesson, the learner should be able to: a) Talk about how to find volume of cubes using the formula. b) Use ICT devices to play games involving volume of a cube. c) Have fun playing digital games involving volume of cubes.	Learners are guided in pairs, in groups or individually to: Talk about how to find volume of cubes using the formula. Use ICT devices to play games involving volume of a cube.	Do you know how to find the volume of a cube?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 108-109**	Written exercises Portfolios Oral questions Observation Group discussion	
	5	**Measurement**	Volume	By the end of the lesson, the learner should be able to: a) Tell how to make a cuboid using unit cubes b) Arrange unit cubes to form cuboids. c) Enjoy making cuboids using unit cubes.	Learners are guided in pairs, in groups or individually to: Tell how to make a cuboid using unit cubes Arrange unit cubes to form cuboids.	How many faces does a cuboid have?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 109-110**	Written exercises Portfolios Oral questions Observation Group discussion	
12	1	**Measurement**	Volume	By the end of the lesson, the learner should be able to: a) Discuss how to find the volume of a cuboid. b) Work out the volume of cuboids. c) Appreciate finding the volume of a cuboid.	Learners are guided in pairs, in groups or individually to: Discuss how to find the volume of a cuboid. Work out the volume of cuboids.	How do you find the volume of a cuboid?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 111-112**	Written exercises Portfolios Oral questions Observation Group discussion	
	2	**Measurement**	Volume	By the end of the lesson, the learner should be able to:	Learners are guided in pairs, in groups or individually to:	What did you learn about cuboids?	Place value apparatus	Written exercises Portfolios	

				a) Use digital devices to learn more about volume of a cuboid. b) Play digital games involving cuboids. c) Have fun playing digital games involving cuboids.	Use digital devices to learn more about volume of a cuboid. Play digital games involving cuboids.		Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 111-112**	Oral questions Observation Group discussion	
	3	**Measurement**	Capacity	By the end of the lesson, the learner should be able to: a) Identify items sold in litres. b) Use a 1 litre container to measure the capacity of containers. c) Appreciate measuring capacity using a 1 litre container.	Learners are guided in pairs, in groups or individually to: Identify items sold in litres. Use a 1 litre container to measure the capacity of containers.	What is capacity?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 113**	Written exercises Portfolios Oral questions Observation Group discussion	
	4	**Measurement**	Capacity	By the end of the lesson, the learner should be able to: a) Use digital devices to learn more on measuring capacity in litres. b) Play digital games involving capacity in litres. c) Appreciate measuring capacity in litres.	Learners are guided in pairs, in groups or individually to: Use digital devices to learn more on measuring capacity in litres. Play digital games involving capacity in litres.	How do you measure capacity in litres?	Place value apparatus Number charts Number cards Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 113**	Written exercises Portfolios Oral questions Observation Group discussion	
	5	**Measurement**	Capacity	By the end of the lesson, the learner should be able to: a) Identify items sold in ½ containers.	Learners are guided in pairs, in groups or individually to: Identify items sold in ½ containers.	How do you measure capacity in 1/2 litres?	Place value apparatus Number charts Number cards	Written exercises Portfolios Oral questions	

				b) Use a ½ litre container to measure the capacity of containers. c) Appreciate measuring capacity using a ½ litre container.	Use a ½ litre container to measure the capacity of containers.		Digital devices **KLB Mathematics Learner's Book Grade 4 pg. 133-114**	Observation Group discussion	
13 - 14				**REVISION & END OF TERM TWO EXAMINATION**					