2025 GRADE 8 KLB TOP SCHOLAR MATHEMATICS SCHEMES OF WORK TERM 2

SCHOOL	GRADE	LEARNING AREA	TERM	YEAR
	GRADE 8	MATHEMATICS	2	2025

Week	Lesson	Strand	Sub-strand	Specific-Learning outcomes	Learning Experience	Key Inquiry Question(S)	Learning Resources	Assessment Methods	Reflection
1	**1**	Measurements	Circles; Working out the circumference of a circle in real life situations	By the end of the lesson, the learner should be able to: a) Identify four circular objects in their school, for example a wall clock. b) Measure the circumference and diameter of the objects. c) Have fun and enjoy measuring circumference and diameter of the objects.	In groups, learners to identify four circular objects in their school, for example a wall clock. In groups, learners to measure the circumference and diameter of the objects	What is the circumference of your classroom wall clock?	**KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 71-72** Ruler Digital devices	Oral questions Oral Report Observation Written exercise	
	2	Measurements	Working out the length of an arc of a circle in different situations	By the end of the lesson, the learner should be able to: a) Draw a circle of radius 7cm on a piece of paper and mark its centre. b) Cut it along its boundary. c) Work out the length of an arc of a circle in different situations. d) Enjoy working out the length of an arc of a circle in different situations	In groups or in pairs, learners are guided to draw a circle of radius 7cm on a piece of paper and mark its centre. In groups or in pairs, learners are guided to cut it along its boundary. In groups or in pairs, learners are guided to work out the length of an arc of a circle in different situations.	What is an arc?	**KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 72-74** Ruler Digital devices	Oral questions Oral Report Observation Written exercise	
	3	Measurements	Calculating the perimeter of a sector of a circle in different situations	By the end of the lesson, the learner should be able to: a) Draw a circle of radius 3.5cm on a piece of paper. b) Fold the circular cut-out into four equal parts and cut out one of the four parts. c) Calculate the arc length of the sector cut off. d) Enjoy calculating the perimeter of a sector of a circle in different situations.	In groups or in pairs, learners are guided to draw a circle of radius 3.5cm on a piece of paper. In groups or in pairs, learners are guided to fold the circular cut-out into four equal parts and cut out one of the four parts. In groups or in pairs, learners are guided to calculate the arc length of the sector cut off.	How do you calculate the perimeter of a sector of a circle in different situations?	**KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 74-76** Ruler Digital devices	Oral questions Oral Report Observation Written exercise	
	4	Measurements	Area; Calculating the Area of a Circle in Different Situations	By the end of the lesson, the learner should be able to: a) Draw a circle of radius 3.5 cm on a graph paper. b) Estimate its area by counting the 1 com squares enclosed by its boundary. c) Multiply the radius of the circle by itself. d) Appreciate the use of circles.	In groups or in pairs, learners are guided to draw a circle of radius 3.5 cm on a graph paper. In groups or in pairs, learners are guided to estimate its area by counting the 1 com squares enclosed by its boundary. In groups or in pairs, learners are guided to multiply the radius of the circle by itself.	How do you calculate the area of a circle of radius?	**KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 77-78** Ruler Digital devices	Oral questions Oral Report Observation Written exercise	
	5	Measurements	Working out the area of a sector of a circle in different situations	By the end of the lesson, the learner should be able to: a) Define the term sector. b) Draw a circle of radius 7cm on a graph of paper. c) Work out the area of a sector of a circle in different situations. d) Enjoy working out the area of a sector of a circle in different situations.	In groups or in pairs, learners are guided to define the term sector. In groups or in pairs, learners are guided to draw a circle of radius 7cm on a graph of paper. In groups or in pairs, learners are guided to work out the area of a sector of a circle in different situations.	How do you work out the area of a sector of a circle in different situations?	**KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 78-79** Ruler Digital devices	Oral questions Oral Report Observation Written exercise	
2	**1**	Measurements	Working out the surface	By the end of the lesson, the learner should be able to:	In groups or in pairs, learners are guided to state	How do you work out the	**KLB; Top Scholar:**	Oral questions	

			area of cubes in real life situations	a) State the formula of calculating surface area of cubes. b) Identify the number of faces in a cuboid. c) Work out the surface area of cubes in real life situations. d) Enjoy working out the surface area of cubes in real life situations.	the formula of calculating surface area of cubes. In groups or in pairs, learners are guided to identify the number of faces in a cuboid. In groups or in pairs, learners are guided to work out the surface area of cubes in real life situations.	surface area of cubes in real life situations?	**Mathematics Learner's Book Grade 8 pg. 80-81** Ruler Digital devices	Oral Report Observation Written exercise	
	2	Measurements	Working out the surface area of cuboids in real life situations	By the end of the lesson, the learner should be able to: a) State the formula of calculating surface area of cuboids. b) Identify three pairs of faces with equal dimensions. c) Work out the surface area of cuboids in real life situations. d) Enjoy working out the surface area of cuboids in real life situations.	In groups or in pairs, learners are guided to state the formula of calculating surface area of cuboids. In groups or in pairs, learners are guided to identify three pairs of faces with equal dimensions. In groups or in pairs, learners are guided to work out the surface area of cuboids in real life situations.	How do you work out the surface area of cuboids in real life situations?	**KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 81-83** Ruler Digital devices	Oral questions Oral Report Observation Written exercise	
	3	Measurements	Working out the surface area of cylinders in real life situations	By the end of the lesson, the learner should be able to: a) State the formula of calculating surface area of cylinders. b) Make a paper model of cylinder. c) Work out the surface area of cylinders in real life situations. d) Enjoy working out the surface area of cylinders in real life situations.	In groups or in pairs, learners are guided to state the formula of calculating surface area of cylinders. In groups or in pairs, learners are guided to make a paper model of cylinder. In groups or in pairs, learners are guided to work out the surface area of cylinders in real life situations.	How do you work out the surface area of cylinders in real life situations?	**KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 83-85** Ruler Digital devices	Oral questions Oral Report Observation Written exercise	
	4	Measurements	Determining the surface area of triangular prisms in different situations.	By the end of the lesson, the learner should be able to: a) State the formula of calculating surface area of triangular prisms. b) Determine the surface area of triangular prisms in different situations. c) Work out the surface area of triangular prisms in real life situations. d) Enjoy working out the surface area of triangular prisms in real life situations.	In groups or in pairs, learners are guided to state the formula of calculating surface area of triangular prisms. In groups or in pairs, learners are guided to determine the surface area of triangular prisms in different situations. In groups or in pairs, learners are guided to work out the surface area of triangular prisms in real life situations.	How do you work out the surface area of triangular prisms in real life situations?	**KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 85-87** Ruler Digital devices	Oral questions Oral Report Observation Written exercise	
	5	Measurements	Working out the area of irregular shapes using square grids in real life situations.	By the end of the lesson, the learner should be able to: a) State the formula of calculating the area of irregular shapes using square grids. b) Work out the area of irregular shapes using square grids in real life situations. c) Enjoy working out the area of irregular shapes using square grids real life situations.	In groups or in pairs, learners are guided to state the formula of calculating the area of irregular shapes using square grids. In groups or in pairs, learners are guided to work out the area of irregular shapes using square grids in real life situations.	How do you work out the area of irregular shapes using square grids in real life situations?	**KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 87-89** Ruler Digital devices	Oral questions Oral Report Observation Written exercise	
3	**1**	Measurements	Money; Identifying interest and principal in real life situations	By the end of the lesson, the learner should be able to: a) Visit a financial institution in their neighbourhood. b) Discuss how money is deposited and borrowed from a financial	In groups or in pairs, learners are guided to visit a financial institution in their neighbourhood. In groups or in pairs, learners are guided to discuss how money is deposited and borrowed	How is money deposited?	**KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 89-90** Ruler	Oral questions Oral Report Observation Written exercise	

				institution. c) Have fun and enjoy the visit.	from a financial institution.		Digital devices		
	2	Measurements	Calculating simple interest in real life situations	By the end of the lesson, the learner should be able to: a) Calculate compound interest step by step per annum up to three years in real life situations. b) Calculate how much simple interest is earned as interest during that period. c) Enjoy calculating simple interest in real life situations.	In groups or in pairs, learners are guided to calculate compound interest step by step per annum up to three years in real life situations. In groups or in pairs, learners are guided to calculate how much simple interest is earned as interest during that period.	How do you calculate simple interest in real life situations?	**KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 90-92** Ruler Digital devices	Oral questions Oral Report Observation Written exercise	
	3	Measurements	Calculating compound interest step by step per annum up to three years in real life situations	By the end of the lesson, the learner should be able to: a) Define compound interest. b) State the formula of calculating compound interest step by step per annum up to three years. c) Calculate compound interest step by step per annum up to three years in real life situations. d) Enjoy calculating compound interest step by step per annum up to three years in real life situations.	In groups or in pairs, learners are guided to define compound interest. In groups or in pairs, learners are guided to state the formula of calculating compound interest step by step per annum up to three years. In groups or in pairs, learners are guided to calculate compound interest step by step per annum up to three years in real life situations.	What is compound interest?	**KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 92-94** Ruler Digital devices	Oral questions Oral Report Observation Written exercise	