

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

SCHOOL..... TEACHER'S NAME.....TERM 2

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	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,	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	

				length of an arc of a circle in different situations	learners are guided to work out the length of an arc of a circle in different situations.				
	3	Measurements	Calculating the perimeter of a sector of a circle in different situations	<p>By the end of the lesson, the learner should be able to:</p> <ol style="list-style-type: none"> Draw a circle of radius 3.5cm on a piece of paper. Fold the circular cut-out into four equal parts and cut out one of the four parts. Calculate the arc length of the sector cut off. Enjoy calculating the perimeter of a sector of a circle in different situations. 	<p>In groups or in pairs, learners are guided to draw a circle of radius 3.5cm on a piece of paper.</p> <p>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.</p> <p>In groups or in pairs, learners are guided to calculate the arc length of the sector cut off.</p>	How do you calculate the perimeter of a sector of a circle in different situations?	<p>KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 74-76</p> <p>Ruler Digital devices</p>	<p>Oral questions Oral Report Observation Written exercise</p>	
	4	Measurements	Area; Calculating the Area of a Circle in Different Situations	<p>By the end of the lesson, the learner should be able to:</p> <ol style="list-style-type: none"> Draw a circle of radius 3.5 cm on a graph paper. Estimate its area by counting the 1 cm squares enclosed by its boundary. Multiply the radius of the circle by itself. Appreciate the use of circles. 	<p>In groups or in pairs, learners are guided to draw a circle of radius 3.5 cm on a graph paper.</p> <p>In groups or in pairs, learners are guided to estimate its area by counting the 1 cm squares enclosed by its boundary.</p> <p>In groups or in pairs,</p>	How do you calculate the area of a circle of radius?	<p>KLB; Top Scholar: Mathematics Learner's Book Grade 8 pg. 77-78</p> <p>Ruler Digital devices</p>	<p>Oral questions Oral Report Observation Written exercise</p>	