

2026 GRADE 9 RATIONALIZED KLB MATHEMATICS SCHEMES OF WORK – TERM 3

NAME:.....TSC NO:.....SCH:.....

W K	LSN	STRAND	SUB-STRAND	LESSON LEARNING OUTCOMES	LEARNING EXPERIENCES	KEY INQUIRY QUESTIONS	LEARNING RESOURCES	ASSESSMENT METHODS	REFLECTIO N
1	1	Geometry	Similarity and Enlargement - Similar figures and properties	By the end of the lesson, the learner should be able to: Identify similar figures and their properties; Measure corresponding sides and angles of similar figures; Appreciate the concept of similarity in real-life objects.	Learners study diagrams of similar cross-sections. Learners measure the corresponding sides of the cross-sections and find the ratio between them. Learners measure all the corresponding angles and discover that they are equal.	What makes two figures similar?	-KLB Mathematics Grade 9 Textbook page 203 -Ruler -Protractor -Cut-out shapes -Charts showing similar figures -Manila paper	-Oral questions -Observation -Written exercise -Checklist	
	2	Geometry	Similarity and Enlargement - Identifying similar objects	By the end of the lesson, the learner should be able to: Identify similar objects in the environment; Determine if given figures are similar; Value the concept of similarity in everyday life.	Learners collect and classify objects according to similarity. Learners identify pairs of similar figures from given diagrams. Learners discuss real-life examples of similar objects and their properties.	How do we recognize similar objects in our environment?	-KLB Mathematics Grade 9 Textbook page 204 -Ruler -Protractor -Various geometric objects -Charts with examples -Worksheets with diagrams	-Oral questions -Group work -Written exercise -Observation	
	3	Geometry	Similarity and Enlargement - Drawing similar figures	By the end of the lesson, the learner should be able to: Draw similar figures in different situations; Calculate dimensions of similar figures using scale factors; Enjoy creating similar figures.	Learners draw triangle ABC with given dimensions (AB=3cm, BC=4cm, and AC=6cm). Learners are told that triangle PQR is similar to ABC with PQ=4.5cm, and they calculate the other dimensions. Learners construct triangle PQR and compare results with other groups.	How do we construct a figure similar to a given figure?	-KLB Mathematics Grade 9 Textbook page 206 -Ruler -Protractor -Pair of compasses -Drawing paper -Calculator -Charts with examples	-Oral questions -Practical activity -Written exercise -Assessment rubrics	

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	4	Geometry	Similarity and Enlargement - Properties of enlargement	By the end of the lesson, the learner should be able to: Determine properties of enlargement of different figures; Locate the center of enlargement and find scale factors; Value the application of enlargement in real-life situations.	Learners trace diagrams showing an object and its enlarged image. Learners draw lines through corresponding points to find where they intersect (center of enlargement). Learners find the ratios of corresponding lengths to determine the scale factor.	How do we determine the center and scale factor of an enlargement?	-KLB Mathematics Grade 9 Textbook page 209 -Ruler -Tracing paper -Colored pencils -Grid paper -Charts showing enlargements -Diagrams for tracing	-Oral questions -Practical activity -Written exercise -Observation	
	5	Geometry	Similarity and Enlargement - Negative scale factors	By the end of the lesson, the learner should be able to: Determine properties of enlargement with negative scale factors; Locate centers of enlargement with negative scale factors; Appreciate the concept of negative scale factors in enlargements.	Learners trace diagrams showing an object and its image where the center of enlargement is between them. Learners join corresponding points to locate the center of enlargement. Learners find the ratio of distances from the center to corresponding points and note that the image is on the opposite side of the object.	What happens when an enlargement has a negative scale factor?	-KLB Mathematics Grade 9 Textbook page 211 -Ruler -Tracing paper -Grid paper -Colored pencils -Charts showing negative scale factor enlargements -Diagrams for tracing	-Oral questions -Practical activity -Written exercise -Checklist	
2	1	Geometry	Similarity and Enlargement - Drawing images of objects	By the end of the lesson, the learner should be able to: Apply properties of enlargement to draw similar objects and their images; Use scale factors to determine dimensions of images; Enjoy creating enlarged images of objects.	Learners trace a given figure and join the center of enlargement to each vertex. Learners multiply each distance by the scale factor to locate the image points. Learners locate the image points and join them to create the enlarged figure.	How do we draw the image of an object under an enlargement with a given center and scale factor?	-KLB Mathematics Grade 9 Textbook page 214 -Ruler -Grid paper -Colored pencils -Charts showing steps of enlargement -Manila paper	-Oral questions -Practical activity -Written exercise -Peer assessment	