

**WHAT 0757478868 RATIONALIZED 2026 T123 SCHEME OF
WORK LESSON**

**PLANS, RECORD OF WORK, LATEST EXAM SERIES TERM 3
JESMA,**

**COMPASS , SIGNAL ETC 2026 GRADE 8 RATIONALISED
AGRICULTURE AND NUTRITION LESSON PLANS - TERM 3**

2026 GRADE 8 RATIONALIZED MATHEMATICS LESSON PLANS - TERM 3

WEEK 1

Lesson 1 & 2

SCHO OL	LEARNING AREA	GRAD E	ROL L	TIM E
	Mathematics	8		

STRAND: GEOMETRY

SUB-STRAND: Scale Drawing

SPECIFIC LEARNING OUTCOMES: By the end of the lesson, the learner should be able to:

- Represent length to a given scale in different situations.

- Convert actual length to scale length.
- Appreciate the use of scale drawing in maps.

KEY INQUIRY QUESTION(S): How do we determine scale in real life?

LEARNING RESOURCES:

- KLB Top Scholar Mathematics Grade 8 Textbook (pg. 143-145)
- Rulers, measuring tapes, maps, digital devices

ORGANISATION OF LEARNING: Learners will work in pairs and small groups for practical measurement and discussion.

INTRODUCTION

The teacher will display a map of Kenya and ask learners how it is possible to fit the entire country on a single piece of paper. This will lead to a discussion on the concept of 'scale' and its importance in representing large objects or distances in a smaller, manageable way.

LESSON DEVELOPMENT

Learners are guided in pairs/groups to:

- **STEP 1:** Measure the actual length of various objects in the immediate environment (e.g., a desk, a book, the length of the classroom).
- **STEP 2:** Discuss how they could represent these large measurements in their exercise books. The teacher will introduce the concept of a scale (e.g., 1 cm represents 1 m).
- **STEP 3:** Use a given scale to convert the actual lengths they measured into 'scale lengths'. For example, if a desk is 2 meters long and the scale is 1 cm represents 1 m, the scale length is 2 cm.
- **STEP 4:** Practice representing the lengths of different objects in their books using an appropriate scale.

CONCLUSION

The teacher will review the process of converting an actual length to a scale length using a given scale. The importance of always stating the scale used in a drawing will be emphasized.

EXTENDED ACTIVITIES

Learners to measure the length and width of a room at home and, using a scale of 1 cm represents 1 m, draw a simple plan of the room in their books.