

SCHOOL BASED ASSESSMENT

GRADE 4

September 2026

Agriculture



THE KENYA NATIONAL EXAMINATIONS COUNCIL

SCHOOL BASED ASSESSMENT

Grade 4 Agriculture Scoring Guide

FOR ASSESSORS USE ONLY

(Indicate the performance levels as per the descriptors in the scoring rubric)

TASK	Task 1(Agriculture)				Task 2 (Home science)				Total
QUESTION	1 - 6				7 - 11				
Maximum score	24 marks				21 marks				45
Performance level	4	3	2	1	4	3	2	1	
Score range	19-24	13-18	7-12	0-6	17-21	12-16	7-11	0-6	

This paper consists of 7 pages.

Learners should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

TURN OVER

1.

a) Name the layer labelled E (1 mark)

- Topsoil layer/soil layer

b) Two benefits of compost manure (2 marks)

- Improves soil fertility.
- Adds nutrients to the soil.
- Improves soil structure.
- Increases water-holding capacity of the soil.
- Promotes healthy crop growth.
- Increases crop yields.
- Recycles organic waste materials.
- Reduces environmental pollution.

2.

a) (i) Name the innovative garden used by the school. (1 mark)

- Container garden

(ii) Equipment used for watering the plants. (1 mark)

- Watering can

b) What can learners do to reduce wastage of water? (2 marks)

- Use drip irrigation.
- Water during cool hours.
- Mulch around crops.

3.

a) What should the farmer do? (1 mark)

- Construct a scarecrow/install a scarecrow on the farm.
- Use safe wild animal deterrents.
- Scare away the animals without killing them.

b) Name two small wild animals that destroyed the maize. (2 marks)

- Birds
- Monkeys
- Squirrels
- Hares

c) Two reasons the farmer should NOT kill the small wild animals. (2 marks)

- They should be conserved.
- Wildlife is a natural resource.
- They are part of biodiversity.

4.

a) Tick TWO used for direct sowing of tiny seeds. (2 marks)



a) The tiny seeds should be planted in _____ seedbed. (1 mark)

- A finely prepared seedbed.

5. Growing Fruits

a) What did Mary do when planting the fruit tree seedling? (3 marks)

- Dug a planting hole.
- Applied manure/topsoil during planting.
- Removed the polythene tube carefully.
- Placed the seedling upright in the hole.
- Filled the hole with soil.
- Firmed the soil around the seedling.
- Watered after planting.

(b) Two other caring practices Mary will carry out. (2 marks)

- Weeding.
- Mulching.

- Applying manure.
- Pruning.
- Staking/supporting.
- Pest control.
- Protecting from animals.

6. Uses of Domestic Animals

(a) Name the domestic animal labelled (2 marks)

K: Cow

M: Pig

(b) State one use of the domestic animal labelled. (2 marks)

L

- Milk
- Meat
- Manure

M

- Meat
- Manure

6. State **three** ways to conserve fuel when cooking using a charcoal jiko. (3 marks)

- Use a well-maintained, energy-efficient charcoal jiko.
- Light only the amount of charcoal needed.
- Cover cooking pots with tight-fitting lids.
- Use appropriately sized cooking pots.
- Cut food into smaller pieces before cooking.
- Soak dry foods such as beans before cooking.
- Cook more than one dish at a time where possible.
- Avoid opening the lid unnecessarily.
- Regulate the air supply to avoid excessive burning.
- Switch off or extinguish the charcoal immediately after cooking.

7. Two reasons for eating a balanced diet. (4 marks)

- Provides energy for daily activities.
- Promotes healthy growth and development.
- Builds and repairs body tissues.
- Strengthens the immune system.
- Maintains a healthy body weight.

- Prevents nutritional deficiency diseases.
- Improves concentration and learning.
- Supports healthy bones and teeth.
- Promotes proper digestion.
- Reduces the risk of diet-related diseases.

9. Boiling Green Maize (4 marks)

- Remove the husks and silk from the maize and wash the cobs thoroughly.
 - Place the maize in a cooking pot.
 - Add enough water to completely cover the maize and cover the pot with a lid.
 - Bring the water to the boil and cook until the maize is tender (about 30–60 minutes depending on maturity).
 - Add salt if desired towards the end of cooking or after cooking.
 - Remove the maize from the pot, drain, and serve while hot.
- Award **1 mark** for each correct step (any four).

10. Correct Procedure for Washing Hands (5 marks)

- Wet hands with clean running water.
 - Apply soap.
 - Rub palms together and scrub all parts of the hands, including between the fingers, backs of the hands, fingertips, and under the fingernails, for at least 20 seconds.
 - Rinse thoroughly with clean running water.
 - Dry hands using a clean towel, disposable paper towel, or air dry.
- Award **1 mark** for each correct step.

11. Cleaning Gumboots (5 marks)

Possible procedure:

- Remove loose mud and dirt from the gumboots.
 - Rinse the gumboots with clean water.
 - Prepare a solution of water and mild detergent.
 - Scrub the gumboots using a soft brush or sponge, paying attention to the soles and seams.
 - Rinse thoroughly with clean water to remove all soap.
 - Wipe off excess water with a clean cloth.
 - Air-dry the gumboots in a well-ventilated, shaded place.
 - Store the clean, dry gumboots in a cool, dry place.
- Award **1 mark** for each correct step (any five).