

PRIMARY SCHOOL EDUCATION ASSESSMENT

AUGUST ENGAGEMENT ACTIVITIES 2026

GRADE 4 – AGRICULTURE

Time: 1 Hour 30 Minutes

LEARNER'S DETAILS



Name: _____ . School: _____ .

Assessment Number: _____ . Date: _____ .

School Code: _____ . Signature: _____ .

Instructions for Learners

1. Write your name, school name, and assessment number in the spaces provided.
2. Check the question paper carefully to ensure all pages are printed and no questions are missing.
3. Answer all the questions in the spaces provided.
4. Answer **all** questions.
5. Write your answers clearly in the spaces provide.

FOR EXAMINER'S USE

SECTION	TASK 1	TASK 2	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	20 MARKS	30 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A: (20 MARKS)

Answer **ALL** questions in this section in the spaces provided.

1. Aoko visited a modern farm and observed several domestic animals being utilized for different purposes. Match each domestic animal to its correct farm use. (4 Marks)

Farm Uses:

- i. Provides wool and mutton
- ii. Provides pork and bacon
- iii. Used for transport and pulling carts
- iv. Provides milk and beef
- v. Provides eggs and poultry meat

Domestic Animal

Farm Use

- (a) Cattle _____
- (b) Poultry _____
- (c) Sheep _____
- (d) Donkey _____

2. Mandela wants to establish a small-scale garden at home to produce food crops directly from tiny seeds. (4 Marks)

(a) Name two food crops whose tiny seeds are established by direct sowing into a finely prepared seedbed without transplanting. (2 marks)

i) _____

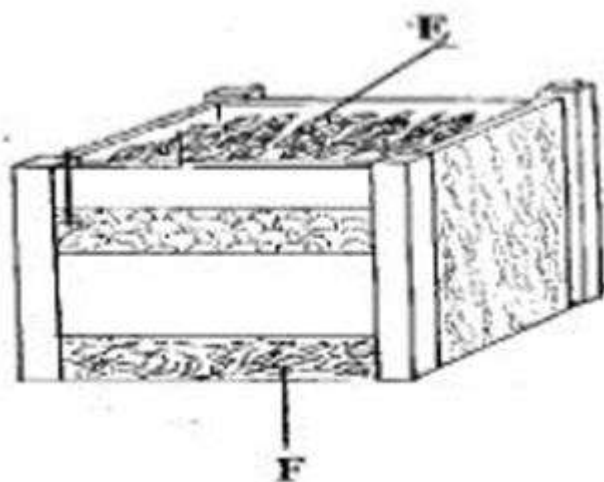
ii) _____

(b) List two maintenance practices Mandela should carry out after the crops germinate. (2 marks)

i) _____

ii) _____

3. Lukaku was learning about a method of manure preparation as shown below. Study it carefully and answer the questions that follow.



a). Identify the type of manure being prepared. _____ (1mark)

b). Name the parts labeled E and F. (1mark).

E: _____

F: _____

c) State two reasons why farmers prepare and use compost manure in crop production. (2 marks)

i) _____

ii) _____

4. Wanjiku prepares meals daily for her family using firewood and liquefied petroleum gas (LPG).

(a) Identify two safe household practices that help conserve fuel during cooking. (2 marks)

i) _____

ii) _____

(b) Explain why it is important for households to conserve fuel. (2 marks)

5. Maintaining excellent hygiene helps prevent infections and contamination.

(a) State two personal hygiene practices that promote health when handling or preparing food. (2 marks)

i) _____

ii) _____

(b) State two domestic hygiene practices that help keep the home environment clean. (2 marks)

i) _____

ii) _____

SECTION B: (30 MARKS)

Answer ALL questions in this section in the spaces provided.

6. Moraa noticed that birds, hares, and squirrels were invading her vegetable patch and destroying young crops. To manage the problem without harming the animals, she constructed a structure using old clothes and wooden poles.



(a) Identify the structure shown above. _____ (1 mark)

(b) Describe how the structure protects crops from small wild animals. (2 marks)

(c) While assembling the structure, Moraa temporarily joined pieces of fabric before permanently stitching them.

i) *Identify the temporary stitch she should use. (1 mark)*

ii) *Name two types of this temporary stitch. (2 marks)*

i) _____

ii) _____

(d) Explain two reasons why people should coexist peacefully with small wild animals instead of killing them. (4 marks)

i) _____

ii) _____

7. Kibet lives in an area with limited clean water supply. To grow tree tomatoes and passion fruits successfully, he constructed an innovative irrigation system using locally available materials.



(a) Identify the irrigation method shown. _____ (1 mark)

(b) Explain how Kibet constructed the irrigation system using plastic containers. (3 marks)

(c) Describe two ways this irrigation method helps conserve water compared to overhead watering. (2 marks)

i) _____

ii) _____

(d) Kibet intends to harvest and consume ripe fruits regularly.

i) State one benefit of eating fruits daily. (1 mark)

ii) Kibet's sister boils potatoes and shallow-fries eggs for lunch. Outline three differences between boiling and shallow frying. (3 marks)

Feature	Boiling Method	Shallow Frying Method
Cooking medium used	_____	_____
Amount of heat/fat	_____	_____
Example of suitable food	_____	_____

8. After working in muddy soil and manure, Juma noticed that his canvas working shoes were dirty. He decided to clean his personal protective equipment (PPE).

(a) Apart from canvas shoes, identify three other examples of PPE used during agricultural or cleaning activities. (3 marks)

i) _____

ii) _____

iii) _____

(b) Outline three steps Juma should follow to properly clean and dry his canvas shoes. (3 marks)

Step 1: _____

Step 2: _____

Step 3: _____

(c) After cleaning up, Juma's mother serves him a balanced meal.

i) Explain the meaning of a balanced meal. (2 marks)

ii) Name the three food groups that must be included in the correct proportions to make a balanced meal. (2 marks)

i) _____

ii) _____

iii) _____

AGRICULTURE AND NUTRITION EXAMINATION MARKING SCHEME & ANSWER KEY

SECTION A (20 MARKS)

1: (4 Marks)

Award 1 mark for each correct match.

Item	Answer
(a) Cattle	Provides milk and beef
(b) Poultry	Provides eggs and poultry meat
(c) Sheep	Provides wool and mutton
(d) Donkey	Used for transport and pulling carts

2: (4 Marks)

(a) Name two food crops for direct sowing.

Award 1 mark each (Max: 2 marks).

- Carrots
- Millet

Accept: coriander (dhania), spinach, or any other valid direct-sown crop.

(b) List two maintenance practices.

Award 1 mark each (Max: 2 marks).

- Watering / Irrigation
- Weeding
- Thinning
- Applying mulch

3: (4 Marks)

(a) Identify materials based on the visual guide.

Award 1 mark each (Max: 2 marks).

Category	Acceptable Answers
Brown material	Twigs / Sawdust / Paper / Dry leaves
Green material	Grass clippings / Vegetable scraps / Eggshells
a). Compost manure	
b).	
	• E - Dry leaves • F - Maize stalk

(c) State two reasons for using compost manure.

Award 1 mark each (Max: 2 marks).

- Adds essential nutrients to the soil.
- Improves soil structure and water retention.
- Provides an environmentally friendly method of waste disposal.
- Saves money by using locally available materials.

4: (4 Marks)

(a) Identify two safe fuel conservation practices.

Award 1 mark each (Max: 2 marks).

- Putting off the fire immediately after cooking.
- Using fuel-efficient equipment such as improved jikos.
- Covering cooking pots with lids.
- Soaking hard foods before cooking.

(b) Explain the importance of fuel conservation.

Award 2 marks for a well-explained answer.

Sample Answer:

Fuel conservation minimizes wastage of natural resources and reduces household expenses spent on buying fuels such as gas, charcoal, or kerosene.

5: (4 Marks)

(a) State two personal hygiene practices.

Award 1 mark each (Max: 2 marks).

- Washing hands with clean water and soap before handling food.
- Wearing clean PPE such as aprons or headgear.
- Keeping fingernails short and clean.

(b) State two domestic hygiene practices.

Award 1 mark each (Max: 2 marks).

- Regular sweeping, dusting, and mopping.
- Proper disposal of refuse and waste.

SECTION B (30 MARKS)

6: (10 Marks)

(a) Identify the structure.

Answer: Scarecrow — (1 mark)

(b) Describe how it works.

Answer:

It resembles a human being standing in the garden. The movement of the clothes scares away birds and small animals by making them think a person is present. — **(2 marks)**

(c) Temporary stitches questions

i) Identify the stitch.

Answer: Tacking stitches / Basting stitches — **(1 mark)**

ii) Name two variations.

Award 1 mark each (Max: 2 marks).

- Even tacking
- Long and short tacking

(d) Explain two reasons for coexisting with small wild animals.

Award 2 marks per point (Max: 4 marks).

- Preserves biodiversity and ecological balance.
- Some animals attract tourists and support the economy.
- Encourages peaceful coexistence with nature.

7: (10 Marks)

(a) Identify the irrigation method.

Answer: Drip irrigation — **(1 mark)**

(b) Explain construction using containers.

Award up to 3 marks for correct explanation.

- Collect and clean plastic bottles.
- Pierce small holes in the bottle caps or sides.
- Mount bottles upside down near plant roots to allow slow dripping of water.

(c) Describe two ways it conserves water.

Award 1 mark each (Max: 2 marks).

- Delivers water directly to plant roots.
- Reduces evaporation and surface runoff.

(d) Dietary and cooking methods

i) State one benefit of consuming fruits.

Answer:

Fruits provide vitamins and minerals that protect the body against diseases. — **(1 mark)**

ii) *Complete the differences table.*

Award 0.5 marks per correct cell (Max: 3 marks).

Feature	Boiling Method	Shallow Frying Method
Cooking medium used	Water / Liquid	Fat / Oil
Amount of heat/fat	Large amount of water at boiling point	Small amount of oil/fat
Example of suitable food	Potatoes, maize, cassava, eggs	Eggs, fish fillets, pancakes, sausages

8: (10 Marks)

(a) *Identify three other examples of PPE.*

Award 1 mark each (Max: 3 marks).

- Gloves
- Dust masks
- Gumboots
- Overalls / Aprons
- Headgear

(b) *Outline three steps to clean canvas shoes.*

Award 1 mark each (Max: 3 marks).

1. Remove excess mud and scrub with soap and water.
2. Rinse thoroughly with clean water.
3. Dry in a well-ventilated area or under the sun.

(c) **Balanced meal definitions**

i) *Explain "balanced meal."*

Answer:

A balanced meal contains all essential nutrients from the required food groups in the correct proportions. — **(2 marks)**

ii) *Name the three essential food groups.*

Award 2 marks for all three correct answers, 1 mark for any two.

- Energy-giving foods
- Body-building foods
- Protective foods