

Candidate's Name	
School Name	
Candidate's Signature	

Assessment Number	
School Code	
Date	



**THE KENYA NATIONAL EXAMINATIONS COUNCIL
KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT**

**KJSEA
912/2
PRE-TECHNICAL STUDIES PROJECT
SAMPLE PAPER
January 2025**

Duration: 1 month

INSTRUCTIONS TO CANDIDATES

You are supposed to work in groups of 4 to 5 learners.
Each member of the group is expected to be actively involved in the implementation of the project.
Use the locally available materials in the implementation of the project.
In case of any clarification, seek help from your subject teacher.

Task	Question Numbers	Maximum Score	Learner's Score
Task 1	1, 2, 3, 4	28	
Task 2	8,9	06	
Task 3	5,6,7	06	

This paper consists of 3 printed pages.

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

TASK

A porridge vendor who sells porridge on a construction site wants to make a sieve so that her porridge is made of well sieved flour.

1. Make a freehand pictorial sketch to show how the sieve will look like and indicate the measurements. (6 marks)

2. Choose locally available materials such as wood, metal, plastic etc for making the sieve. (3 marks)

3. Select appropriate tools from the following.

- Tape measure
- Try square
- Hacksaw
- Tenon saw
- Panga
- Steel rule
- Hammer
- Chisel
- Knife

- a) List the tools selected. (3 mark)

- b) Use the selected tools for marking out and cutting the parts. (10 marks)
4. Assemble the parts to make the sieve. (6 marks)
5. Take videos/photos as you carry out each of the project tasks. (2 marks)
6. Create an electronic portfolio containing the videos/photos taken in 6(a). (2 marks)
7. Name the electronic portfolio your 'Group name'. (2 marks)

8. State **three** qualities that describe the porridge vendor as an entrepreneur. (3 marks)

9. Outline **three** benefits of making the sieve instead of buying. (3 marks)

THIS IS THE LAST PRINTED PAGE.