

**SCHOOL BASED ASSESSMENT  
GRADE 7  
PRE-TECHNICAL STUDIES  
October 2024  
Time: 1hr 30min**



**THE KENYA NATIONAL EXAMINATIONS COUNCIL  
SCHOOL BASED ASSESSMENT  
PRE-TECHNICAL STUDIES**

Learner's Name: \_\_\_\_\_

Assessment No. \_\_\_\_\_ Grade: \_\_\_\_\_

Date: \_\_\_\_\_

Instructions to learners

- (a) This paper consists of **15** questions.
- (b) Answer all the questions in the spaces provided.
- (c) Answer the questions in English.

**FOR TEACHER'S USE ONLY**

**Scoring Grid**

Tasks	Task 1-Technical Studies	Task 2-Business Studies	Task 3-Computer Studies	Total scores
Question(s)	1,2,3,4,5,6,7,8	9,10,11	12,13,14,15	
Max. Score(s)	27	09	14	50
Learner's Score				

**This paper consists of 5 printed pages.**

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

1. Name **two** careers a learner may pursue after learning Pre-technical Studies at Junior School. (2 marks)

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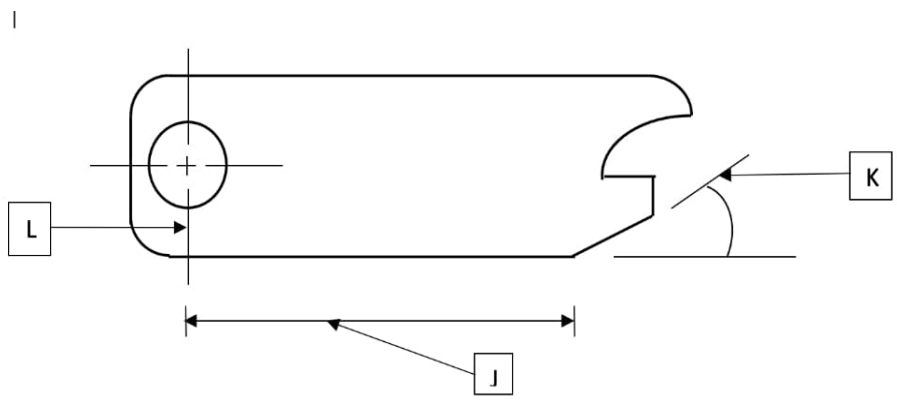


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2. Grade 7 learners were given a project to make a bottle opener, whose shape and size is as shown in the drawing below:



Identify the type of lines labelled J, K and L. (3 marks)

J \_\_\_\_\_  
 K \_\_\_\_\_  
 L \_\_\_\_\_

3. Grade 7 learners visited a jua kali workshop and found the artisans using metals to make different items in the table below. Indicate the type of metal suitable for making each of the items: (4 marks)

Items		Type of metal used
a)	Bucket	
b)	Window frame	
c)	Watering can	
d)	Metal box	

4. Teacher Jojo reminded the learners to take good care of the measuring tools available in the store. State **one** way of caring for each of the following tools that the teacher mentioned. (2 marks)

a) Tape measure \_\_\_\_\_  
 \_\_\_\_\_  
 b) Steel rule \_\_\_\_\_  
 \_\_\_\_\_

5. The following table shows marking-out tools that learners used during a practical lesson. Complete the table by stating the use of each tool. (4 marks)

	<b>Tool</b>	<b>Use of tool</b>
a)	Try square	
b)	Divider	
c)	Marking gauge	
d)	Scriber	

6. Sketch the symbols for the following details as used in technical drawing. (4 marks)

a) Diameter

b) Right angle

c) Centre line

d) Square

7. A Grade 7 brought to class the materials listed in the following table to explain their uses. Match each material with its use. (5 marks)

<b>Items</b>	<b>Uses</b>
Aluminum	Making cooking stick
Copper	Making sufuria
Wood	Making soles of shoes
Steel	Making electric conductor
Rubber	Making bolts
	Making plastic bottles

8. Grade 7 teacher asked learners to make a watering can using metallic materials. State **three** properties that will guide the learners to choose the type of metal to use. (3 marks)

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9. Jovu wants to establish a barber shop in his village. Outline **three** factors he should consider when locating the business. (3 marks)

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10. Mwanaheri plans to buy a class reader worth Ksh 1,000 in three months. She has purposed to save at least Ksh 400 per month to raise the required amount.

- a. Use the information to formulate Mwanaheri's financial goals by filling in the following table. (2 marks)

Goal	Time frame	Amount required	Action plan

- b. Outline **one** benefit that Mwanaheri will get from setting her financial goal. (1 mark)

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11. Entrepreneurship is important for economic growth in a community. State **three** benefits of entrepreneurship to the members of the community. (3 marks)

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12. Grade 7 learners were asked to discuss and present the ICT tools used in communication. Name **three** tools they presented. (3 marks)

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13. A Grade 7 teacher displayed a chart containing the following types of computers:
- i. Supercomputers
  - ii. Analog computers
  - iii. General purpose computers
  - iv. Microcomputers
  - v. Dedicated computers
  - vi. Digital computers

Use the following table to classify the computers in the given categories. (3 marks)

Classification according to purpose	Classification according to size	Classification according to functionality.

14. During a Pre-technical studies lesson, Grade 7 learners were asked to use digital devices to search for information from the internet.

a) Name **three** online threats the learners are likely to be exposed to when using the internet. (3 marks)

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b) State **two** safety rules that the learners should observe while using digital devices. (2 marks)

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15. State the appropriate computer hardware device for each of the following tasks. (3 marks)

Task	Device
Printing class timetables	
Capturing prices of items in a supermarket	
Displaying information to a large audience	

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