

**SCHOOL BASED ASSESSMENT  
GRADE 8  
PRE-TECHNICAL STUDIES  
October 2024  
Time:1 hr 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**

<b>Tasks</b>	<b>Task 1 Technical Studies</b>	<b>Task 2 Business Studies</b>	<b>Task 3 Computer Studies</b>	<b>Total scores</b>
<b>Question(s)</b>	<b>1,2,3,4,5,6,7</b>	<b>8,9,10,11</b>	<b>12,13,14,15</b>	
<b>Max. Score(s)</b>	<b>23</b>	<b>15</b>	<b>12</b>	<b>50</b>
<b>Learner's score</b>				

**This paper consists of 6 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. State **three** qualities of composite materials that make them suitable for use in the manufacture of sports equipment. (3 marks)

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2. The following are properties of ceramic materials:

- i. Brittleness
- ii. Hardness
- iii. Resistance to wear
- iv. Electrical insulation
- v. Thermal insulation
- vi. Thermal shock

Identify **three** properties that make ceramic materials suitable for making floor tiles. (3 marks)

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3. Grade 8 learners were using a steel rule to measure the length of wood for a project. Draw part of the steel rule to show a reading of 24.4 cm. (2 marks)

4. A farmer intends to trim the hedge of flowers around the farm. The farmer has the following hand tools in the store:

- i. Rake
- ii. Hammer
- iii. Shear
- iv. Hoe
- v. Sickle
- vi. Slasher




Identify **two** hand tools that the farmer will use to trim the hedge. (2 marks)

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5. During a practical lesson, a Grade 8 teacher brought tools shown in the table below. Complete the table by giving the name and use of each tool. (6 marks)

Diagram	Name of tool	Use of tool
		
		
		

6. A group of Grade 8 learners discussed about the fire fighting technique that involves cutting off oxygen supply to the fire.

a) Identify the fire fighting technique discussed by the learners. (1 mark)

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b) Name **two** methods that can be used to carry out the fire fighting technique in (a). (2 marks)

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7. A pre-technical teacher in Grade 8, gave learners a task to make a stool whose top is square in shape. The length of the square shape is 4.5 cm. Use instruments to draw the square and dimension it. (4 marks)

8. An entrepreneur intends to start a business. Identify **two** sources of income the entrepreneur may use to finance the business. (2 marks)

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9. Mr.Tayari started a juice production business and wants to gather information about potential customers. Which **three** sources can he use to get this information? (3 marks)

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10. Pendo owns a bakery producing a variety of products that are purchased by Mwalimu wholesalers for distribution and selling. State **three** benefits of Mwalimu wholesalers as an intermediary to Pendo. (3 marks)

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11. The following information relates to Mwenda Pesi Traders as at 31<sup>st</sup> December 2023.

	Ksh
Machinery	105,000
Creditors	72,000
Building	300,000
Bank loan	150,000
Debtors	23,000

a) Calculate the capital of Mwenda Pesi Traders. (3 marks)

b) Prepare Mwenda Pesi Traders statement of financial position as at 31<sup>st</sup> December 2023. (4 marks)

12. Peter created some instructions using a visual programming application.

a) Name **two** types of visual programming applications that he could have used. (2 marks)

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b) State the feature that he would use to perform each of the following tasks:

i. Changing the costume of the sprite. (1 mark)

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ii. Making the Sprite move on the stage. (1 mark)

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13. Baraka's laptop was infected by a computer virus and lost some of the data got stored.

a) Explain **one** way he should protect the data from getting lost as a result of virus infection. (2 marks)

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b) State one benefit of storing data in an electronic device. (1 mark)

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14. A Junior School uses the following computer software to perform tasks.

System software, spreadsheets, word processing, communication software
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Identify the suitable software from the list given above that the school uses for the following tasks: (3 marks)

- a) Preparing the school budget \_\_\_\_\_
- b) Typing lesson notes for teachers \_\_\_\_\_
- c) Sending electronic mails to teachers \_\_\_\_\_

15. A learner would like to view slides created in a presentation software. Name **two** types of views that the learner may use. (2 marks)

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