

**SCHOOL BASED ASSESSMENT
GRADE 8
PRETECHNICAL STUDIES
SCORING GUIDE
October 2026**



THE KENYA NATIONAL EXAMINATIONS COUNCIL

GRADE 8

School Based Assessment

PRE-TECHNICAL STUDIES

SCORING GUIDE

This paper consists of 5 printed pages.

1. Methods of putting off fire are :

- i. **Removing heat** - Cooling
- ii. **Removing oxygen** - Smothering
- iii. **Removing fuel**- Starving
- iv. **Stopping the chemical reaction** – Using dry chemical agents

Any 3 x 1 = 3 marks

2. Items of furniture made using composite materials include:

- i. Desks
- ii. Chairs
- iii. Laboratory stools
- iv. Computer tables/desks
- v. Library tables
- vi. Cupboards
- vii. Benches

Any 4 X ½ = 2 marks

3. Lines used in dimensioning are:

- i. **Dimension line**- shows the extend of the dimension
- ii. **Extension line**-indicates the points between which the dimension/measurement is taken
- iii. **Leader line** -used to connect a dimension, note, or description to a particular feature of the drawing.
- iv. **Centreline** –indicates the centre of circles, arcs, holes or symmetrical features

Any 3 X 1 = 3 marks

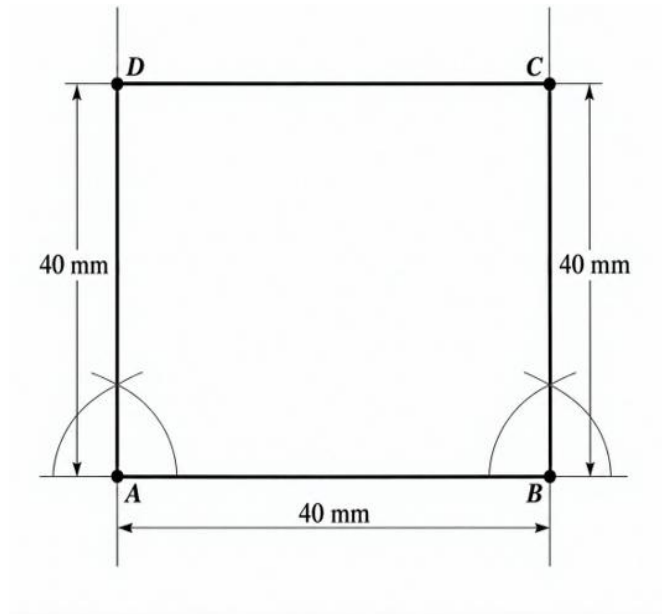
4. Cutting tools used for cutting wood are:

- i. Hand saw
- ii. Tenon saw
- iii. Chisel
- iv. Coping saw
- v. Hand file

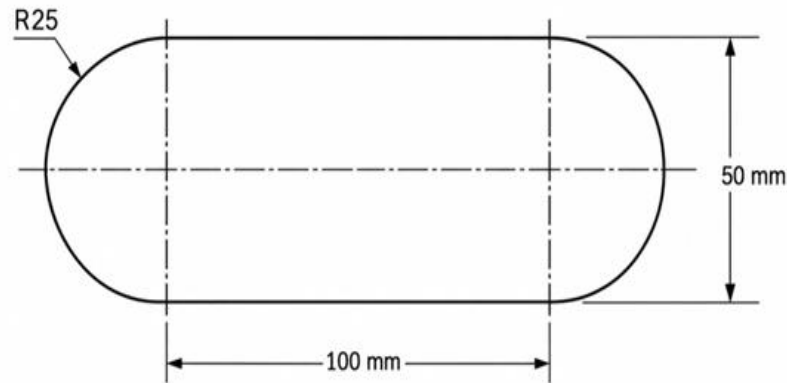
Any 4 X ½ = 2marks

5. Construction of a square involves the following steps:

- | | |
|--|--------|
| i. Draw line AB 40 mm. | 1 mark |
| ii. Construct a perpendicular at points A and B. | 1 mark |
| iii. Measure 40 mm from point A to get point D. | ½ mark |
| iv. Measure 40 mm from point B to get point C. | ½ mark |
| v. Join points C and D then complete the square. | 1 mark |



6. Dimensioning the figure given.



- | | | |
|------|-----------------------------------|---------|
| i. | Drawing the template to scale | 2 marks |
| ii. | Dimensioning 100 mm | 1 mark |
| iii. | Dimensioning 50 mm | 1 mark |
| iv. | Dimensioning R 25 | 1 mark |
| v. | Correct lines used in the drawing | 1 mark |

7. Uses of a try square are:

- i. Checking right angles (90°)
- ii. Marking right angles
- iii. Checking for squareness
- iv. Testing for straightness

Any 3 X 1 = 3 marks

8. Ethical practices from the scenario include: -

- i. Honest as Mrs. Jeptoo communicates openly with her suppliers and customers.
- ii. Integrity, as she chose to do the right thing by not using the spoiled flour and informed the supplier.
- iii. Transparency by sharing experiences with both the supplier and customers.

- iv. Gratitude both from the supplier, customers and Mrs Jeptoo.
(Any 3 x 1 = 3 marks)

9. A simple budget for Juma.

Needs

Storybook	Ksh 180
Pens and pencils	Ksh 100
Exercise book	Ksh 100
School bag	Ksh 200

Wants

Watch	Ksh 100
Soda	Ksh 50
Biscuits	Ksh 100
Toy	Ksh 100

(NB: The learners can come up with the budget based on their preference; however, they should begin with the needs and then wants. 8 x ½ = 4 marks)

10. Factors that an entrepreneur will consider in selecting a suitable market for the product include:-

- i. Market size and its growth
- ii. Availability of transport to the market
- iii. Competition
- iv. Distribution channels

(Any 3 x 1 = 3 marks)

11. From the shopkeeper's scenario

- a) Cost price
Price x quantity
30 x Ksh. 80 = Ksh. 2,400

(two ticks x ½ = 1 mark)

- b) Selling price
Quantity x Selling price

$30 \times 100 = \text{Ksh. } 3,000$ (two ticks $\times \frac{1}{2} = 1$ mark)

c) Profit = selling price – cost price
 $\text{Ksh. } 3,000 - \text{Ksh. } 2,400 = \text{Ksh. } 600$ (two ticks $\times \frac{1}{2} = 1$ mark)

d) Cash transactions - making payments upon receiving sugar. ($1 \times 1 = 1$ mark)

Credit transactions - paying after a few days ($1 \times 1 = 1$ mark)

12. a) Computer virus. ($1 \times 1 = 1$ mark)

- b) i) Using antivirus software
ii) Using a password.
iii) Running software updates regularly.
iv) Creating a data backup. (Any $2 \times 1 = 2$ marks)

13. a) Sum is $10 + 8 = 18$ ($1 \times 1 = 1$ mark)

b) 11 years old: Proceed to level 5 ($1 \times 1 = 1$ mark)

9 years old: Underage; cannot proceed to level 5

14. a) System software

- Monitors and controls the operations of the computer.

Application software

- Aids in carrying out tasks in the computer.

(Score when the two points are given) ($2 \times \frac{1}{2} = 1$ mark)

b) Activity A: Word processing software ($1 \times 1 = 1$ mark)

Activity B: Spreadsheet processing software ($1 \times 1 = 1$ mark)

Activity C: Presentation software

(1 x 1 = 1 mark)

- 15.** a) = SUM (B2:D2)
b) = AVERAGE (B2:B5)
c) = Drag and drop the formula

(1 x 1 = 1 mark)

(1 x 1 = 1 mark)

(1 x 1 = 1 mark)

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**SCORING RUBRICS
PRE-TECHNICAL STUDIES
GRADE 8
SBA**

Abilities Task	(4) Exceeding Expectation	(3) Meeting Expectation	(2) Approaching Expectation	(1) Below Expectation	Question Numbers	Total Score
(Task 1) Pre-technical studies	Any learner scoring 19 to 23 out of 23	Any learner scoring 12 to 18 out of 23	Any learner scoring 6 to 11 out of 23	Any learner scoring 0 to 5 out of 23	1,2,3,4,5,6,7	23
(Task2) Business Studies	Any learner scoring 12 to 15 out of 15	Any learner scoring 8 to 11 out of 15	Any learner scoring 4 to 7 out of 15	Any learner scoring 0 to 3 out of 15	8,9,10,11	15
(Task3) Computer Science	Any learner scoring 11 to 12 out of 12	Any learner scoring 6 to 10 out of 12	Any learner scoring 3 to 5 out of 12	Any learner scoring 0 to 2 out of 12	12,13,14,15	12

THE KENYA NATIONAL EXAMINATIONS COUNCIL
JUNIOR SCHOOL – GRADE 8
PRE-TECHNICAL STUDIES
ASSESSMENT SHEET

Learner's Name/Assessment Number		Pre-Technical Studies (Question 1,2,3,4,5,6,7)		Business Studies (Question 8,9,10,11)		Computer Studies (Question 12,13,14,15)		Total Score Out Of 50
		Score	Performance Level	Score	Performance Level	Score	Performance Level	
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								
11.								
12.								