



KURASA PROBLEM SOLVERS LEAGUE

School Based Assessment Grade 8 Term 3 2025 Pre-Technical Time: 2 Hours

Learner Name : _____

Workspace Code : _____

Instructions to the learner

1. Write your **name** and **assessment number** in the spaces provided above.
2. Write the **name** and **code of your school** in the spaces provided above.
3. Sign and write the **date** of the assessment in the spaces provided above.
4. This question paper consists of **two sections: A and B**.
5. Answer **all the questions** in section A on the **separate Answer Sheet** provided.
 - Shade the correct option (A, B, C, or D) for each question.
6. Answer **all the questions** in section B in the spaces provided in this Question Paper.
7. Show all the workings in section B in the spaces provided.
8. **Non-programmable calculators** may be used, except where stated otherwise.
9. Give non-exact numerical answers correct to **3 significant figures**, and one decimal place for angles in degrees, unless otherwise specified in the question.
10. Do **not** remove any page from this question paper.
11. Answer **all the questions in English**.

For teacher's use only.

Learner's Score	
Total Score (80 Marks)	
Performance Level	

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SECTION A (30 MKS)

1. Grade 7 learners were discussing safety in the immediate environment. Which one of the following is a physical safety threat?

[A] Scams [B] Hot surfaces
[C] Online strangers [D] Cyber bullying

2. Cutting tools like chisels are effective when you want to remove excess materials in production. Which tool is used for general chiseling?

[A] Half round chisel
[B] Cross cut chisel
[C] Diamond pointed chisel
[D] Flat chisel

3. Grade eight learners visited a dairy company. They realized that some of the products were being packaged using different composite materials. Which material is **BEST** for food packaging and food wrappers?

[A] Manufactured boards
[B] papier mâché
[C] Plastic coated paper
[D] Bricks

4. Drawing instruments and materials is essential for creating accurate, neat and consistent drawings. Which instrument is used to measure and draw angles?

[A] Pair of dividers
[B] Steel ruler
[C] Protractor
[D] Pair of compasses

5. Dimensioning helps to specify exact size, shape and other details of objects. Which one of the following is **NOT** a type of dimensioning?

[A] Chain dimensioning
[B] linear dimensioning
[C] Radial dimensioning
[D] Angular dimensioning

6. Application software are designed to assist the user in performing specific tasks. Which icon is used to represent spreadsheet software?

[A]  [B] 
[C]  [D] 

7. Grade 8 learners discussed the various types of various types of visual programming applications. Which one of the following is not an example of visual programming software?

[A] Sprite box [B] Scratch
[C] Script [D] Micros of make codes

16. Which one of the following is **NOT** a free hand-sketching technique?

- [A] Hand compass method
- [B] Box method
- [C] Hatching
- [D] centreline method

17. Identify a line used to show **main** edge of an object

- [A] Chain line [B] Dashed line
- [C] Thin continuous line [D] Thick continuous line

18. Grade 8 learners wanted to create a shopping list for their project. Identify the application software they can use.

- [A] Microsoft PowerPoint [B] Microsoft excel
- [C] Google work space [D] Microsoft word.

19. A production unit is a business enterprise that uses economic resources. Which one among the following is **NOT** a production unit?

- [A] Salon
- [B] Television
- [C] Posho mill
- [D] Hotels

20. The following are physical properties of ceramics **EXCEPT**?

- [A] They do not burn
- [B] They are corrosion resistant
- [C] They break easily when hit
- [D] They are good conductors of electricity

21. A headteacher has just bought a new laptop and is worried about his personal information being safe. Identify the best method to use to prevent unauthorized access.

- [A] Antivirus [B] Password
- [C] Back up [D] Human error

22. During a fire safety lesson grade 8 learners were discussing methods of putting off fire. Identify the method used below.



- [A] Cooling [B] Interrupting
- [C] Smothering [D] Starving

23. Sources of income can be categorized as active or passive. Which one of the following is a passive source of income?

- [A] Interest [B] Wages [C] Salaries
- [D] Fees

24. Mary was asked to state examples of Assets and liabilities. She came across some examples as she was revising. Which one of the following is a liability?

- [A] Money in hand [B] Bank overdrafts
- [C] Debtors [D] Equipment

25. A papier mâché is a composite material made by combining different materials. Which one of the following materials is used for making papier mâché?

- [A] Wood [B] Stone
- [C] Paper [D] Cement

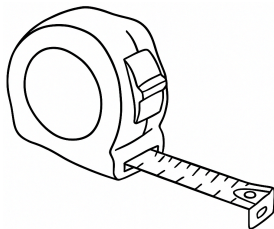
26. Grade 7 learners were guided in groups to classify hardware components of a computer. Which one of the following is **NOT** a pointing device?

- [A] Stylus [B] Hard disk
- [C] Optical Card reader [D] Touch pad

27. Learners discussed in groups factors to consider when setting up financial goals. The following are correct **except**?

- [A] Specific [B] Reliable
- [C] Achievable [D] Realistic

28. Identify the tool below used in measuring length.



- [A] Steel rule [B] Meter rule
- [C] Tape measure [D] Vernier calipers

29. Identify the terminology in visual programming that has a container that stores data within a program.

- [A] Syntax [B] Coding
- [C] Variable [D] Output statement

30. Which one of the following is not a cutting tool?

- [A] Stripper [B] Snip
- [C] Plane [D] Tri-square

SECTION B (50 MKS)

31. Identify two features of a plain scale

(2mks)

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32. On a drawing 1cm represents 1.5m on line ground. Draw a plain scale to measure up to 30m in 5m intervals show line length of 27m on the scale

(3mks)

33. State one example of a non-metallic materials
(1mks)

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34. State two differences between metallic and non-metallic materials
(2mks)

35.

Metallic material	Non-metallic material

36. The diagram below shows a tool used in cutting woods and logs.



Name the tool (1mks)

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37. Grade 8 learners were asked to discuss categories of computer software. Name **three** system software they were likely to identify
(3mks)

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38. Learners created some instructions using visual programming applications.

a. Name **four** applications that they could have used (4mks)

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b. State the features that they would use to perfume each of the following:

i. Controlling the behavior of the sprite
(1mks)

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ii. Changing the costume of the sprite
(1mks)

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39. Grade 9 learners are preparing to sit for their KJSEA assessment. Grade 8 learners in Peupe school were asked to prepare a budget to be used for their lunch programs.

a. What is a budget?
(2mks)

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b. Give **three** reasons why it is important to make a budget (3mks)

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40. Grade 7 learners visited a production company within their locality. State **two** factors to consider when locating a production unit (2mks)

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41. Give three reasons why it is important to protect data stored in electronic devices (3mks)

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42. State three forms of dimensions (3mks)

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43. Meiry wanted to start a business venture but she doesn't have a business idea.

a. Define a business idea (1mks)

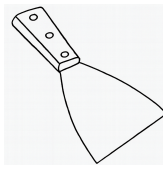
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b. State three sources of business idea (3mks)

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44. Georgina and her classmates were discussing cutting tools.

a. Identify the cutting tools below (2mks)



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b. State **two** ways of caring for the tools above (2mks)

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45. Explain **three** ways how application software is important in a workplace (3mks)

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46. State **three** examples of combustible materials
(3mks)

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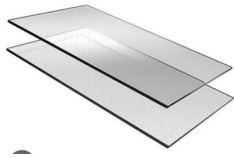
47. What is data?
(1mks)

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48. Give one example of an item in your community that is made up of ceramic materials. (1mks)

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49. Name the ceramic material below (1mks)



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50. Name **two** physical threats in a workplace
(2mks)

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