

# DOYEN PUBLISHERS

## KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT



### END TERM I 2025 JOINT EXAM

### GRADE 8

### PRE-TECHNICAL STUDIES

Time: 1 hour 30 mins

NAME: \_\_\_\_\_

SCHOOL: \_\_\_\_\_

STREAM: \_\_\_\_\_ DATE: \_\_\_\_\_

#### INSTRUCTIONS

- Write your name, school, stream and date in the spaces provided above.
- This paper consists of two sections: A and B.
- Section A comprises Multiple Choice Questions numbered 1 to 30.
- Section B comprises short, structured questions number 31 to 34.
- Answer ALL the questions in section A in the table provided below.
- Answer ALL the questions in section B in the spaces provided in this QUESTION PAPER.
- Do NOT remove any page from this question paper. Answer ALL the questions in English

#### ANSWER SHEET – SECTION A

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	

21.	22.	23.	24.	25.	26.	27.	28.	29.	30.

#### LEARNER'S SCORE

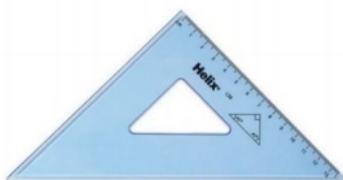
SCORES		TOTAL
A (Out of 30)		
B (Out of 40)		

*This paper consists of 6 printed pages. Candidates should check the question paper to confirm that all pages are printed as indicated and that no questions are missing*

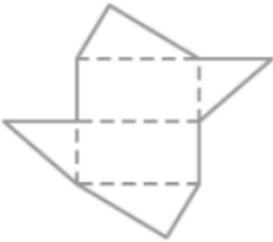
## SECTION A (30 marks)

Answer ALL the questions in this section. Write your answers in the spaces provided on the first page.

- What should you do first if you discover a fire in a building?
  - Try to put it out yourself.
  - Call emergency services and alert others.
  - Continue working until the fire spreads.
  - Ignore it and leave the building.
- What is the safest way to exit a building during a fire?
  - Try to gather your belongings
  - Use the elevator
  - Wait for someone to help you
  - Use the nearest exit or staircase
- Which of the following is a good fire safety practice at home?
  - Test smoke alarms monthly
  - Store matches and lighters in easy-to-reach places
  - Block exits in case of fire
  - Leave doors open when cooking
- What is the purpose of a fire extinguisher?
  - To detect smoke in the air
  - To put out small fires in an emergency
  - To prevent a fire from starting
  - To alert people when a fire starts
- Identify the substance that puts off fire in the extinguisher below.  

  - water
  - foam
  - dry powder
  - CO<sub>2</sub>
- If your clothing catches on fire, what should you do?
  - Ignore it until someone else notices
  - Try to put it out with water
  - Run around quickly
  - Stop, drop and roll
- What is the purpose of a fire escape plan?
  - To determine the size of the fire
  - To prevent fires from starting
  - To show escape routes in case of fire
  - To measure fire safety
- Which of the following is a strong password?
  - Your birthdate
  - Your pet's name
  - A sequence of 1234
  - A combination of upper and lower-case letters, numbers and symbols
- Which of the following is a good practice for protecting your personal data online?
  - Sharing your password with your best friend only
  - Enabling two-factor authentication
  - Leaving your computer unlocked
  - Using the same password for all accounts
- Which of the following is the most secure way to store passwords?
  - Writing them on paper
  - Saving them in a text file on your computer
  - Using a password manager
  - Sharing them with friends
- Which action should you take if you receive an unknown email asking for personal information?
  - Open the attachment to see what it contains
  - Respond to the email with your personal details
  - Click on any links to see what happens
  - Delete the email and report it as phishing
- Identify the drawing instrument below.  

  - Triangular ruler
  - Ruler
  - Set square
  - Protractor

13. What is encryption used for?  
 A. To organize your files  
 B. To speed up internet connections  
 C. To protect data by making it unreadable without the correct key  
 D. To delete data from your computer
14. Which of the following is true about a circle?  
 A. A circle has no center  
 B. The area is equal to the circumference  
 C. The radius is the distance between two points on the circle  
 D. The diameter is twice the radius
15. How many 2D shapes are there in the drawing below?



- A. 6  
 B. 7  
 C. 8  
 D. 9
16. Which of the following examples of computers is best for playing games.



A.



C.



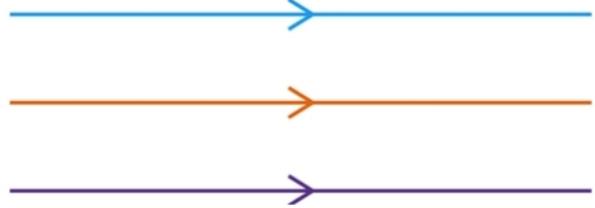
B.



D.

17. The characteristics of computers are listed below. Which one is NOT?  
 A. They are accurate.  
 B. They are versatile.  
 C. They are reliable.  
 D. They work independently.

18. The diagram below shows that the lines are:



- A. straight  
 B. perpendicular  
 C. parallel  
 D. diagonal
19. What is the primary goal of an entrepreneur?  
 A. To create and sell products  
 B. To make profit by taking risks  
 C. To avoid competition  
 D. To work for someone else
20. Which of the following is an example of a business idea?  
 A. A company's financial report  
 B. A new app that helps people find healthy recipes  
 C. A company's office building  
 D. A business bank loan
21. Which of the following is a characteristic of an entrepreneur?  
 A. Avoiding risks  
 B. Being creative and innovative  
 C. Preferring a fixed salary  
 D. Not planning ahead
22. A business plan includes all of the following EXCEPT:  
 A. Market research  
 B. Business goals  
 C. Personal hobbies  
 D. Financial projections
23. A target market refers to:  
 A. A location where products are sold  
 B. A place where businesses are registered  
 C. A competitor business  
 D. A group of customers businesses want to sell their products or services to
24. Which of the following is considered a risk in business?  
 A. Keeping accurate financial records  
 B. Hiring experienced employees  
 C. Unpredictable market demand  
 D. Having a clear business vision

25. Which of the following is a source of financing for entrepreneurs?
- A. Savings account
  - B. Bank loans
  - C. Crowdfunding
  - D. All of the above

*Mr. Ariko wants to start a milk shop. He already has the following.*

*Capital – Ksh.20,000*

*Milk – 100 litres*

26. Which of the following factors is MOST important for Mr. Ariko when choosing a location for his milk shop?
- A. The cost of the rent
  - B. The number of parking spaces
  - C. The number of people in the area
  - D. The size of the shop interior

27. When sourcing milk for his shop, Mr. Ariko should ensure that:
- A. The milk is sold in plastic bottles only
  - B. The suppliers provide milk at the cheapest price
  - C. The milk comes from local farmers only
  - D. The milk is fresh and meets health and safety standards

28. What is an essential requirement for Mr. Ariko to legally operate his milk shop?
- A. A business license and health permits
  - B. A well-designed logo for the business
  - C. A website with online delivery services
  - D. A large advertising budget

29. What should Mr. Ariko consider when pricing the milk in his shop?
- A. The price of milk at the local grocery stores
  - B. The cost of sourcing and transporting the milk while ensuring a reasonable profit
  - C. The prices of similar products in nearby restaurants
  - D. The opinions of his friends and family

30. Name the measuring tool below.



- A. Weighing scale
- B. Weighing balance
- C. Weigh bridge
- D. Beam balance

### SECTION B (40 Marks)

**Answer ALL questions in this section in the spaces provided after each question.**

31. Pre-technical Studies has Technical Studies, Business Studies and Computer Studies.

- a) Name **one** strand in Pre-technical Studies that deals with: (3 marks)
- i) Technical Studies - \_\_\_\_\_
  - ii) Business Studies - \_\_\_\_\_
  - iii) Computer Studies - \_\_\_\_\_

- b) Outline **three** skills that one can acquire by studying Pre-technical Studies. (3 marks)

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- c) Name **four** career opportunities that are related to Pre-technical Studies. (4 marks)

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32. Fires are common at work places.

a) Give **three** causes of fire in work places. (3 marks)

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b) What are the effects of fire? (3 marks)

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c) Explain **two** ways of preventing fires in work places. (4 marks)

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33. Grade 9 learners found out that an entrepreneur is someone who creates a new business or transforms an existing business into a profitable one.

a) What is entrepreneurship? (2 marks)

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b) State **four** characteristics of a good entrepreneur. (4 marks)

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c) What is a business idea? (2 marks)

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d) Give any **two** sources of business ideas. (2 marks)

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34. We should always keep our data safe while online. (2 marks)

a) Name **two** things that you can do to stay safe online. (2 marks)

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b) What is an antivirus? (2 marks)

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c) List **two** storage devices of a computer. (2 marks)

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d) Explain **two** advantages of using computers. (4 marks)

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