THE KENYA NATIONAL EXAMINATIONS COUNCIL

KPSEA 2025

MATHEMATICS

603

Oct. 2025 – 1 hour 20 minutes

1013347

INSTRUCTIONS TO CANDIDATES (Please read these instructions carefully)

1. You have been given this question paper and a separate answer sheet. The question paper contains 30 questions. Answer **ALL** the questions.
2. Do any necessary rough work in this question paper.
3. When you have chosen your answer, mark it on the **ANSWER SHEET**, **NOT** in this question paper.

HOW TO USE THE ANSWER SHEET

4. Keep the answer sheet clean and do not fold it.
5. Use an ordinary (HB) pencil.
6. Confirm that the answer sheet that you have been provided with has the following:
   YOUR ASSESSMENT NUMBER
   YOUR NAME
   NAME OF YOUR SCHOOL
   NAME OF SUBJECT
7. For each of the questions, 1 – 30, four choices are given. The choices are lettered **A**, **B**, **C** and **D**. The letters are written inside circles. In each case, only **ONE** of the four choices is correct. Choose the correct answer.
8. On the answer sheet, show the correct answer by completely shading inside the circle which has the letter you have chosen.
9. Do not make any marks outside the circles. **Be sure of your answer before shading the circle.**

Example
In the Question paper:

11. Work out $9 + 2 \times 18 - 2$?
A. 196
B. 176
C. 43
D. 27

The correct answer is C.
On the Answer Sheet:
In the set of circles numbered **11**, **shade** inside the circle with the letter C printed in it, as indicated below.

11. (A) (B) ● (D)

10. Your **shading MUST** be inside the circle.
11. For each question, shade **ONLY ONE** circle.

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This question paper consists of 11 printed pages
Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

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1. A piece of land was sold at sh 346 920.

What is the price of the land in words?

A. Three hundred forty six thousand and ninety two shillings

B. Three hundred forty six thousand nine hundred and twenty shillings

C. Three hundred forty six thousand two hundred and ninety shillings

D. Three hundred forty six thousand nine hundred and two shillings

2. A school library has 49 361 books.

What is the place value of digit 9 in the number?

A. Tens

B. Hundreds

C. Thousands

D. Tens of thousands

3. A learner wrote the following numbers on cards.

46 455	62 326	200 152	59 441

The cards were arranged in a descending order. What was the correct arrangement?

A. | 200 152 | 62 326 | 59 441 | 46 455 |

B. | 200 152 | 59 441 | 62 326 | 46 455 |

C. | 46 455 | 62 326 | 59 441 | 200 152 |

D. | 46 455 | 59 441 | 62 326 | 200 152 |

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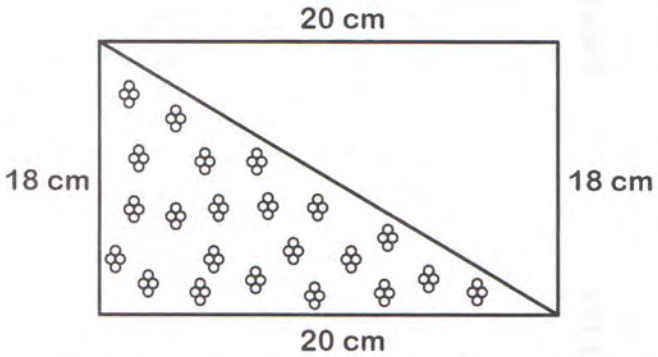
4. A nursery bed has 91 rows of tree seedlings. Each row has 807 tree seedlings.
How many seedlings are in the nursery bed altogether?

A. 7 917
B. 72 437
C. 72 837
D. 73 437

5. The following figure represents a rectangular table mat. A part of the mat is decorated with flowers.



What is the area of the part decorated with flowers?

A. 38 cm^2
B. 76 cm^2
C. 180 cm^2
D. 360 cm^2

6. An athlete ran different distances in metres everyday. The distance the athlete ran each day formed a pattern as shown in the table.

Day	Distance in metres
Monday	400
Tuesday	800
Wednesday	1 600
Thursday	3 200
Friday	—

What distance did the athlete run on Friday?

A. 6 400
B. 4 800
C. 4 000
D. 3 600

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7. Wanjala had a piece of land. He gave $\frac{5}{8}$ of the land to the son and $\frac{1}{4}$ to the brother to plant sugarcane.
What fraction of the land did Wanjala give to the son and the brother altogether?

A. $\frac{1}{8}$

B. $\frac{1}{2}$

C. $\frac{3}{8}$

D. $\frac{7}{8}$

8. During a vaccination exercise in a certain county, 62% of the total population was vaccinated against COVID-19.
What fraction of the population was vaccinated?

A. $\frac{19}{50}$

B. $\frac{31}{50}$

C. $1\frac{19}{31}$

D. $\frac{19}{31}$

9. What is $\frac{7}{20}$ as a decimal?

A. 0.035
B. 0.305
C. 0.35
D. 3.5

10. A learner worked out the following task in an exercise book.

0.345 – 0.236

What was the correct answer?

A. 0.581
B. 0.119
C. 0.111
D. 0.109

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11. Tayari Farmers Society had 696 bags of fertilizer. The bags were shared equally among 12 farmers.
Round off the two numbers, 696 and 12 to the nearest tens, then find the number of bags each farmer got.

A. 70
B. 69
C. 58
D. 35

12. Nduta has two pieces of ropes measuring 123 cm 7 mm and 39 cm 2 mm.
What is the total length of the ropes that she has?

A. 513 cm 9 mm
B. 162 cm 9 mm
C. 152 cm 9 mm
D. 84 cm 5 mm

13. Abdi drew a straight line measuring 6 centimetres 5 millimetres.
What was the length of the line drawn in millimetres?

A. 650
B. 605
C. 65
D. 6.5

14. A farmer had 2 156 chicks. The chicks were to be distributed equally among 15 families.
How many more chicks will the farmer add for all the families to get an equal share?

A. 4
B. 11
C. 143
D. 144

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15. A learner made a hand washing container at home using a 20 litre jerrycan.
What was the capacity of the container in millilitres?

A. 200
B. 2 000
C. 20 000
D. 200 000

16. A lorry transported 4 500 kg of sand to a construction site.
What was the mass of the sand in tonnes?

A. 450
B. 45
C. 4.5
D. 0.45

17. Anne had 6.25 metres of a clothing material. She used 1.5 metres to make a dress.
What fraction of the material was not used?
(Give your answer in decimal)

A. 0.24
B. 0.76
C. 0.024
D. 0.976

18. A Young Farmers Club in a school has 5 members. The members shared 65 kg 460 g of sawdust equally for their poultry project.
What was the mass of the sawdust received by each member?

A. 327 kg 300 g
B. 65 kg 455 g
C. 13 kg 460 g
D. 13 kg 92 g

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19. Atieno arrived in school at a quarter past seven in the morning.
What was the time in 12 hour system?

A. 6.45 a.m.

B. 7.15 p.m.

C. 7.15 a.m.

D. 7.45 a.m.

20. Ahmed bought 2 dresses at sh 900 each. He later sold each dress for sh 1 150. How much profit did he make altogether?

A. sh 1 300

B. sh 500

C. sh 650

D. sh 250

21. Peter bought the following items from a shop.

Item	Cost in shillings
Mathematical set	250
Pen	45
Pencil	25

He paid for all the items using a one-thousand shilling note.
How much balance did he receive?

A. sh 320

B. sh 680

C. sh 780

D. sh 1 320

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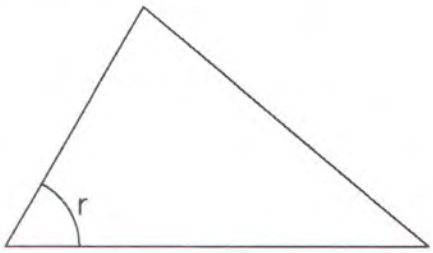
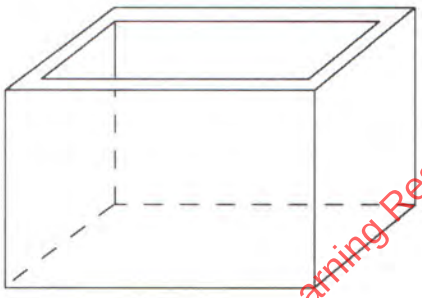
22. The following figure shows a triangle drawn accurately. A learner used a protractor to measure the angle marked **r**.



What is the size of angle **r**?

A. 40°
B. 60°
C. 80°
D. 120°

23. A Grade 6 learner carried the following 3-D object to use for collecting garbage in the school compound.



How many vertices and faces does the object have?

A. 7 vertices 2 faces
B. 8 vertices 5 faces
C. 8 vertices 6 faces
D. 12 vertices 6 faces

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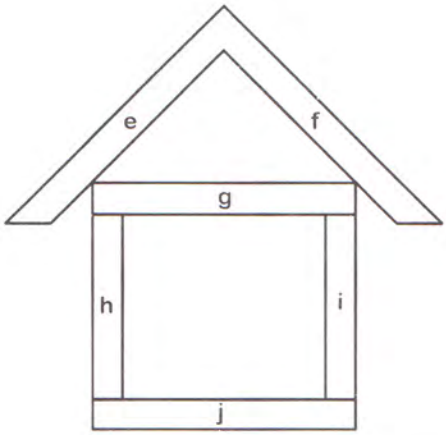
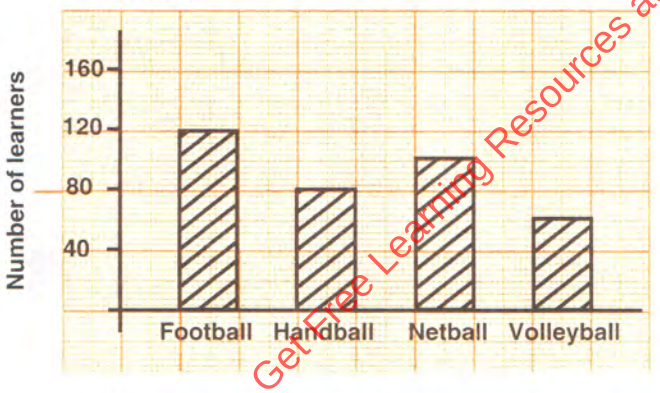
24. Learners were asked to construct a rabbit hutch. They joined pieces of timber and made one side of the hutch as shown.



Which of the following pieces of timber are parallel?

A. **h** and **i**
B. **e** and **h**
C. **f** and **i**
D. **e** and **f**

25. The following bar graph shows favourite games as chosen by learners in a certain school.



What is the number of learners who chose netball and volleyball altogether?

A. 200
B. 180
C. 160
D. 140

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26. A hospital received 101 patients between Tuesday and Friday. The number of patients received each day was recorded in the following table except for Wednesday.

Day	Tuesday	Wednesday	Thursday	Friday
Number of Patients	23	—	18	26

How many patients were received on Wednesday?

A. 34

B. 44

C. 67

D. 168

27. During a class visit to a construction site, learners observed a stone in the shape of a cube.

Which of the following 2-D shapes did they see on the face of the stone?

A. Rectangle

B. Circle

C. Square

D. Triangle

28. Fatuma left home at 11.20 a.m. and drove to town. She arrived in town at 2.30 p.m. How long was her journey from home to town?

A. 4 hours 10 minutes

B. 3 hours 10 minutes

C. 8 hours 50 minutes

D. 13 hours 50 minutes

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29. Kantet bought 6 pineapples and some oranges from a market. The total number of pineapples and oranges bought were less than 25. Let the number of oranges bought be represented by letter x.
Which of the following inequalities correctly represents the information?

A. $6 + x > 25$

B. $6 - x > 25$

C. $6 - x < 25$

D. $6 + x < 25$

30. A school bought 56 pairs of games uniform for handball and netball teams. The handball team received 18 pairs. Let the number of pairs of uniform received by the netball team be represented by letter y.
Which of the following equations correctly represents the information?

A. $y - 18 = 56$

B. $18 - y = 56$

C. $18y = 56$

D. $y + 18 = 56$

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