THE KENYA NATIONAL EXAMINATIONS COUNCIL





Oct. 2023 - 1 hour 20 minutes

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. Use an ordinary pencil.
- 5. 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

- 6. Do not make any marks outside the boxes.
- 7. Keep the answer sheet as clean as possible and do not fold it.
- 8. For each of the questions 1 30, four choices are given. The choices are lettered A, B, C and D. In each case, only **ONE** of the four choices is correct. Choose the correct answer from the choices.
- On the answer sheet, show the correct answer by drawing a dark line inside the box in which the letter you have chosen is written.

Example: In the Question Paper

- 11. Which one of the following decimals are arranged from the smallest to the largest?
 - A. 0.25, 0.5, 0.3, 0.75
 - B. 0.75, 0.5, 0.3, 0.25
 - C. 0.25, 0.3, 0.5, 0.75
 - D 0.3, 0.25, 0.5, 0.75

The correct answer is C.

On the Answer Sheet:

In the set of boxes numbered **11,** draw a **dark line** inside the box with the letter C printed in it as indicated below.

- 11 [A] [B] [C] [D]
- 10. Your dark line MUST be within the box.
- 11. For each question, **ONLY ONE** box is to be marked in each set of four boxes.

This question paper consists of 12 printed pages

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Turn over

- 1. Lorries delivered 84072 bags of maize to a refugee camp. What is the number of bags of maize in words?
 - A. Eighty thousand four hundred and seventy two
 - B. Eighty four thousand seven hundred and two
 - C. Eighty four thousand and seventy two
 - D. Eighty four thousand seven hundred and twenty
- 2. In a hospital, 436587 children were vaccinated against polio in a certain year. What is the total value of digit 6 in the number?
 - A. 600
 - B. 6000
 - C. 60000
 - D. 600000
- 3. A tree nursery had 368593 seedlings. Customers bought 27364 tree seedlings in a day. How many tree seedlings remained?
 - A. 395957
 - B. 341239
 - C. 341229
 - D. 94953
- 4. A milk processing factory produced 19468 packets of milk. How many packets of milk to the nearest thousands were produced?
 - A. 20000
 - B. 19500
 - C. 19470
 - D. 19000

This question paper consists of 12 mints

- A. 232
- B. 264
- C. 360
- D. 648
- 6. Work out

$$24 \div 3 + 9 \times 6 - 4$$

- A. 8
- B. 26
- C. 58
- D. 98
- 7. Musa spent $\frac{2}{5}$ of his salary on food. He also spent $\frac{1}{4}$ of the salary on rent. What is the total fraction of the salary that Musa spent on food and rent?
 - A.
 - B.

 - D.

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10. A tailor brought a fabric material: He used

CON been sew profes are to dome well samul

- A. $11\frac{1}{6}$

9. Wangeci made a necklace using red and green beads. The red beads used were 25% while the rest were green. Which of the following decimals represent the green beads?

- A. 7.5
- B. 0.75
- C. 0.075
- D. 0.0075

10. A tailor bought a fabric material. He used 0.263 of the fabric to make a pair of shorts, 0.287 to make a shirt and 0.45 to make a dress. How much of the fabric was used to make both the dress and the shirt?

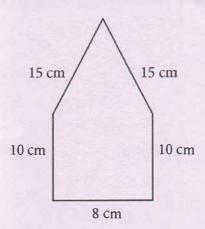
- A. 0.332
- B. 0.637
- C. 0.713
- D. 0.737

11. The height of water in a dam increased by 5 cm after it rained. What is the increase in the height of water in millimetres?

- A. 50
- B. 500
- C. 5000
- D. 50000

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12. A teacher drew the following shape on the board.



What is the perimeter of the shape?

- A. 43 cm
- B. 48 cm
- C. 50 cm
- D. 58 cm

13. A ribbon is 31 cm 6 mm long. Rehema cut 5 cm 3 mm of the ribbon to make a flower. What length of the ribbon remained?

- A. 26 cm 3 mm
- B. 34 cm 3 mm
- C. 36 cm 9 mm
- D. 36 cm 3 mm

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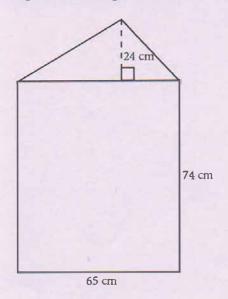
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C. 20 tonnes 875 k D. Atonnes 87 kilo



What is the area of the wall?

- A. 6370 cm²
- B. 5590 cm²
- C. 4810 cm²
- D. 3185 cm²
- **15.** Kimeto drinks 3.7 litres of water everyday. How many millilitres of water does he drink?
 - A. 37
 - B. 370
 - C. 3700
 - D. 37000
- 16. A road construction company mixed sand and small stones. The mass of sand was 18 tonnes 481 kilograms. The mass of small stones was 12 tonnes 394 kilograms. What is the total mass of the mixture?
 - A. 30 tonnes 875 kilograms
 - B. 30 tonnes. 775 kilograms
 - C. 20 tonnes 875 kilograms
 - D. 6 tonnes 87 kilograms

- 17. A tea processing factory distributed fertilizer to farmers using 4 lorries. Each lorry carried 24 tonnes 235 kilograms of fertilizer. What was the total mass of the fertilizer distributed?
 - A. 96 tonnes 940 kilograms
 - B. 96 tonnes 920 kilograms
 - C. 96 tonnes 840 kilograms
 - D. 86 tonnes 940 kilograms
- **18.** A flower company exported 4850000 kilograms of fresh flowers. How many tonnes of fresh flowers did the company export?
 - A. 485000
 - B. 48500
 - C. 4850
 - D. 485
- 19. Wambua represented his school in a music festival. He began his performance in the afternoon at the time shown on the clock face.



At what time did Wambua begin his performance?

- A. 2.07 p.m.
- B. 2.35 a.m.
- C. 2.35 p.m.
- D. 3.35 p.m.

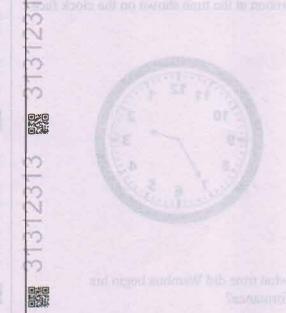
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21. Ndemo exists his lather to sell dothes in their shop. He wide dress for shi 1 075. He made						
a profit of sh 590 after selling the dress. What						
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20. The table shows a travel timetable for a train from Manga station to Pate through Nanga.

Station	Arrival time	Departure time
Manga		6.15 a.m.
Nanga	8.30 a.m.	8.40 a.m.
Pate	11.54 a.m.	

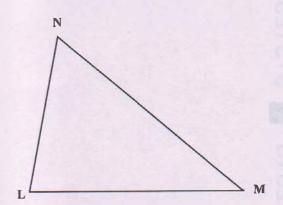
A tourist travelled from Manga station to Pate using the train. How long did the journey take?

- A. 5 hours 39 minutes
- B. 3 hours 24 minutes
- C. 3 hours 14 minutes
- D. 2 hours 15 minutes
- 21. Ndemo assists his father to sell clothes in their shop. He sold a dress for sh 1 675. He made a profit of sh 390 after selling the dress. What was the buying price of the dress?
 - A. sh 2 065
 - B. sh 1 385
 - C. sh 1 325
 - D. sh 1 285
- 22. The area of a rectangular piece of paper is 72 cm². The length of the paper is 9 cm. What is the width of the paper in millimetres?
 - A. 0.8
 - B. 8
 - C. 80
 - D. 800



19. Warnings represented his action in a music

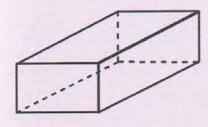
24 sensor 215 kilograms of forulass. What or



Measure angle LMN using a protractor. What is the size of angle LMN?

- A. 100°
- B. 80°
- C. 60°
- D. 40°

24. While picking litter in the school compound, Munya picked the following 3-D object.



How many edges does the object have?

- A. 6
- B. 8
- C. 9
- D. 12

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Which of the following places of union 12313

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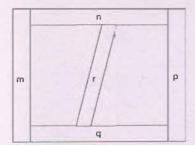
B, m and n

C, n and q

C

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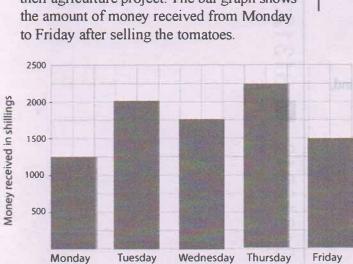
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Which of the following pieces of timber are parallel?

- A. rand p
- B. m and n
- C. n and q
- D. r and q

26. Grade 6 learners harvested tomatoes from their agriculture project. The bar graph shows the amount of money received from Monday to Friday after selling the tomatoes.



How much money did the learners receive on Wednesday?

- A. sh 2 250
- B. sh 2 000
- C. sh 1 750
- D. sh 1500

10

- A. A cylinder has a square face
- B. A pyramid has a triangular face
- C. A cube has a rectangular face
- D. A cuboid has a circular face
- **28.** The table shows the number of patients who were treated for various diseases in a dispensary. Some information is missing in the table.

Disease	Tally	Number of patients		
Malaria		12		
Diabetes	////			
Tuberculosis	1441			
HIV/AIDS		8		

How many patients were treated altogether?

- A. 30
- B. 20
- C. 29
- D. 10

29. Ngei had some oranges. He gave out 4 oranges to his friend. He remained with more than 6 oranges. Use letter *p* to represent the number of oranges that Ngei originally had. Which of the following inequalities correctly represents this information?

- A. p-4 < 6
- B. 6 p > 4
- C. p-4>6
- D. p 6 < 4

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30. A self-help group shared some money among 50 women. Each woman in the group got sh 8 500. Use letter *x* to represent the amount of money shared. Which of the following equations correctly represents this information?

A.
$$50x = 8500$$

B.
$$\frac{50}{x} = 8500$$

C.
$$x + 50 = 8500$$

D.
$$\frac{x}{50} = 8500$$

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