



# THE KENYA NATIONAL EXAMINATIONS COUNCIL

## SCHOOL BASED ASSESSMENT

### MATHEMATICS

((for Regular Learners, learners with Physical Disability and Hearing Impairment)

**Grade 4 - 2023**

**LEARNER'S NAME:** \_\_\_\_\_

**ASSESSMENT NUMBER:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**SCHOOL NAME:** \_\_\_\_\_

#### Instructions to the learners

1. This paper consists of **25** Questions.
2. Answer **all** the questions.
3. Show all the working in the spaces provided below each question.

#### FOR ASSESSORS USE ONLY

The grid below is to be filled by the teacher after marking the learner's work. During uploading, the teacher to upload the number of questions correctly scored per the sub strand given.

Strand	Sub strands	Question number	Score	Performance level
<b>Numbers</b>	Whole number, addition, multiplication	<b>1, 2, 3, 4, 5, 6</b>		
	Subtraction, division, fractions and decimals	<b>7, 8, 9, 10, 11, 12</b>		
<b>Measurement</b>	Length, time and money	<b>13, 14, 15, 16, 17</b>		
	Area, mass, volume and capacity	<b>18, 19, 20, 21</b>		
<b>Geometry, Data Handling and Algebra</b>	Position and direction, angles, 2-D shapes, data, use of letters	<b>22, 23, 24, 25</b>		

**This paper has 10 printed pages.**

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**Turn over**

**Answer ALL the questions in the spaces provided.**

1. Doctors in a hospital treated 12763 patients in a month. What is the total value of digit 7 in the number?

2. A farmer planted 42 rows of orange trees in her garden. Each row had 30 orange trees. How many orange trees were in the garden?

3. Basketball players wore T-shirts labelled with numbers as shown.



Which player wore a T-shirt with an odd number?

4. A teacher gave a group of learners the number card shown.

$$\begin{array}{r} 3672 \\ + 2045 \\ \hline \\ \hline \end{array}$$

Soila helped her group to add the numbers correctly. What was the answer?

5. The chart shows numbers and their Roman numerals. Write the missing Roman numeral in the chart.

Number	3	4	5	9
Roman numeral	III	IV	V	

6. Katana saved sh 946 in his home bank. How much money to the nearest sh 10 did he save?

7. A factory made 5648 school sweaters. It sold 3271 school sweaters. How many sweaters remained?
8. There are 4957 seats in a stadium. During a football match the fans sat on 3674 seats. How many seats remained empty?
9. Brian had 48 marbles. He gave the marbles to his friends. Each friend got 3 marbles. How many friends did Brian have?

10. Yego played rounders and ran a distance of 92.78 metres. What is the place value of digit 8 in the number?

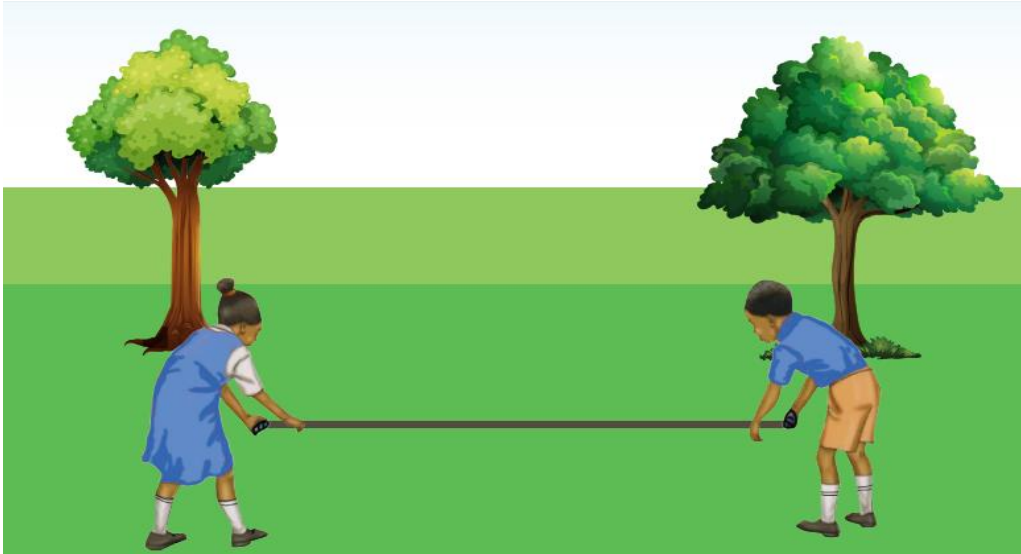
11. There were 7 boys and 4 girls in a game. What fraction of the players are girls?

12. A teacher recorded the heights of four learners as follows.

1.35 metres	1.53 metres	1.57 metres	1.37 metres
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Arrange the heights of the learners from the shortest to the tallest.

13. Learners in a group measured the distance between two trees as shown.



The distance measured was 8 m 20 cm. What is the distance in centimetres?

14. A tailor had a piece of cloth measuring 20 m 50 cm long. He cut the cloth into 5 equal pieces. What was the length of each piece?

15. A wedding ceremony took 4 hours 30 minutes. How many minutes did the ceremony take?

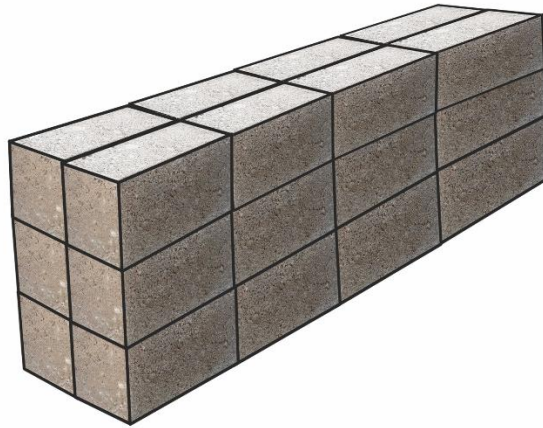
16. Halima took the first dose of medicine at 10 a.m. She took the second dose at 6 p.m. How many hours did she wait before taking the second dose of the medicine?

17. The list shows the fees paid by the citizens of Kenya for services given.

- Electricity fees
- School fees
- Export fees
- Business permit fees

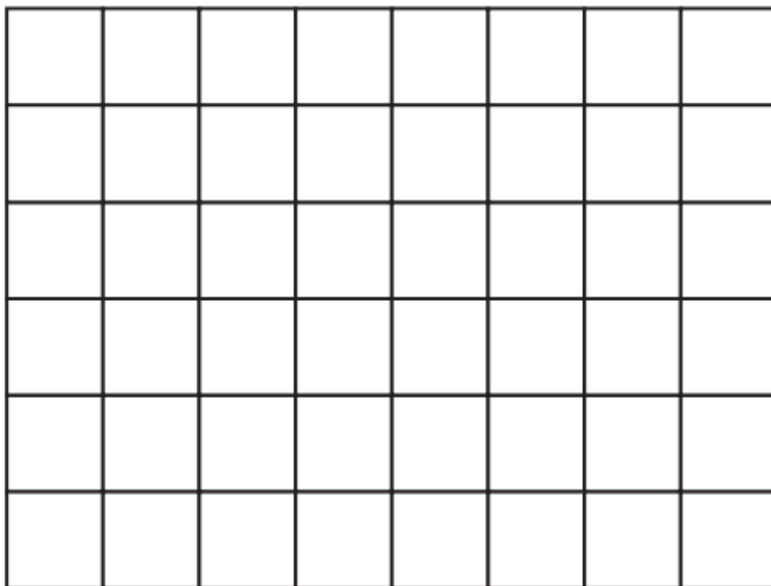
Underline the money collected by a county government of Kenya.

18. Workers at a construction site arranged similar bricks as shown.



How many bricks were in the pile?

19. The floor of a veterinary office is covered using square tiles as shown.

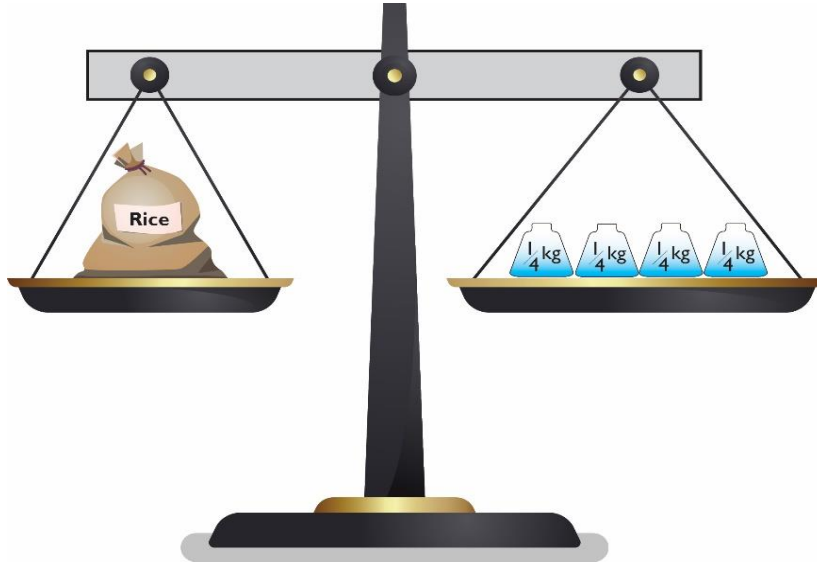


The area of the floor is

\_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ square units.



20. A shopkeeper measured the mass of rice as shown.



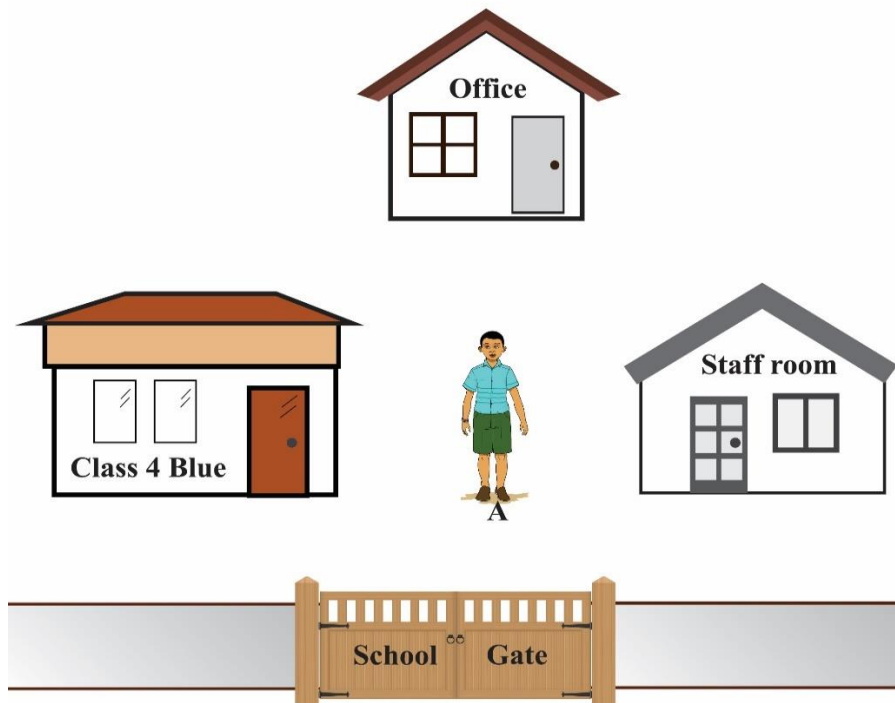
What is the total mass of the rice in kilograms?

21. Musa made tea for a party. He mixed 14 litres of milk and 21 litres of water to make the tea. How many litres of tea did he make?

22. Maria had some oranges. She gave 3 oranges to her friend. Let letter  $y$  represent the number of oranges that Maria had.

Write an expression using  $y$  to show the number of oranges that Maria remained with.

23. Musa is standing at point A as shown.



He makes a quarter turn in the clockwise direction. Which object will he face?

24. The table shows the number of tree seedlings Maina planted in two days. Complete the table.

Day of the week	Tally mark	Number of seedlings
Tuesday	### III	
Friday		17

25. The teacher has provided you with a cut out. Fold the cut out and show the teacher a line of symmetry.

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