

# TARGETER WINGS

## KENYA PRIMARY SCHOOL EDUCATION ASSESSMENT

### GRADE 6 - YEAR 2025

### MATHEMATICS



**TIME: 1 hour 20 minutes**

**INSTRUCTIONS TO CANDIDATES (Please read these instructions carefully)**

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

**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 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.
9. On the answer sheet, the correct answer is to be shown by drawing a **dark line** inside the box in which the letter you have chosen is written.

**Example**

**In the Question Booklet:**

11. Evaluate:  
 $406250 + 482445$
- |           |           |
|-----------|-----------|
| A. 888495 | B. 878695 |
| C. 888695 | D. 884595 |

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]      12. [A] [B] [C] [D]      13. [A] [B] [C] [D]      14. [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 8 printed pages*

1. Grade 6 teacher from Elimu Bora primary school wrote the following number on the chalkboard.  
**90909**  
What is the number in words?
  - A. Ninety nine thousand, nine hundred and nine
  - B. Ninety thousand, nine hundred and ninety
  - C. Ninety thousand nine hundred and nine
  - D. Nine thousand nine hundred and nine
  
2. A factory sold 694576 packets of maize flour. What is the total value of digit 4 in the number?
  - A. Thousands
  - B. Tens of thousands
  - C. Forty thousand
  - D. Four thousand
  
3. There are 87546 wild beasts in Maasai Mara National park. What is the total number of wild beasts rounded off to the nearest thousand?
  - A. 88,000
  - B. 87,000
  - C. 87,500
  - D. 90,000
  
4. A grade 6 teacher had a certain number of books. She shared the books equally between 2 pupils and no book remained. She shared the same number of books equally among 5 pupils and no book remained. How many books did the teacher have?
  - A. 24
  - B. 20
  - C. 18
  - D. 5
  
5. Grade 5 learners were asked by their teacher to find the greatest number that can divide 18 and 9 without a remainder. Who among the following learner's gave the **correct** answer?
  - A. Charles - 3
  - B. Patrick - 9
  - C. Isabel - 18
  - D. Joshua - 36

Working space

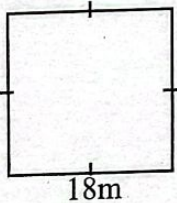
6. A grade 6 teacher wrote a set of numbers on the chalkboard. The numbers made a pattern.  
4, 12, 36, 108  
What is the next number in the pattern?  
A. 144  
B. 216  
C. 224  
D. 324
7. Grade 6 learners were asked by their teacher to solve the question below.  
 $24 \div 3 + 9 \times 6 - 4$   
What is the correct answer?  
A. 8  
B. 26  
C. 58  
D. 98
8. A grade 5 learner read  $\frac{4}{12}$  of a story book on Monday and  $\frac{1}{4}$  on Tuesday. What fraction of the book did he read in the two days?  
A.  $\frac{7}{12}$   
B.  $\frac{2}{7}$   
C.  $\frac{1}{12}$   
D.  $\frac{5}{6}$
9. Cecilia used 0.763 metres of rope to tie a parcel. What is the place of digit 7?  
A. Oneths  
B. Tens  
C. Thousandths  
D. Tenths
10. A carpenter had four pieces of timber measuring 0.16M, 0.24M, 0.5M and 0.186M. Arrange the lengths of the pieces of timber from the smallest to the largest.  
A. 0.5M, 0.16M, 0.24M, 0.186M  
B. 0.16M, 0.186M, 0.24M, 0.5M  
C. 0.186M, 0.24M, 0.16M, 0.5M  
D. 0.5M, 0.24M, 0.186M, 0.16M

11. A shopkeeper had 4.56 kilogrammes of rice. He sold 2.98 kilogrammes of rice. How many kilogrammes of rice remained?
- A. 1.58kg
  - B. 2.42kg
  - C. 2.58kg
  - D. 7.54kg

12. Adede had  $m$  oranges. He shared the oranges equally among 6 friends. If each got 9 oranges, how many oranges did Adede have at the beginning?
- A.  $6m$
  - B.  $9m$
  - C. 54
  - D. 72

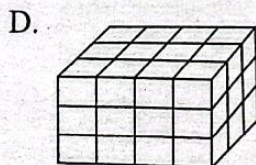
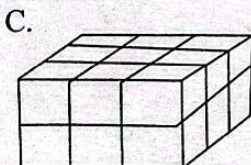
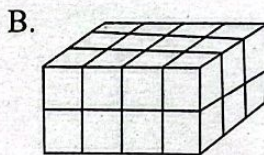
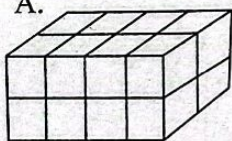
13. The distance from school to the shopping centre is 1km 20m. What is the distance in metres?
- A. 1020m
  - B. 1200m
  - C. 10020m
  - D. 120m

14. A square piece of paper has a length of 18cm as shown below.



What is the area of the piece of paper?

- A.  $36\text{cm}^2$
  - B.  $72\text{cm}^2$
  - C.  $224\text{cm}^2$
  - D.  $324\text{cm}^2$
15. Martin used 24 small cubes to make a stack. Which of the following stacks did he make?



Working space

16. The mass of animal feeds to be given to 5 pigs is 16kg 50g. What mass was to be given to each pig?

- A. 3t 30g
- B. 82kg 50g
- C. 3kg 210g
- D. 80kg 250g

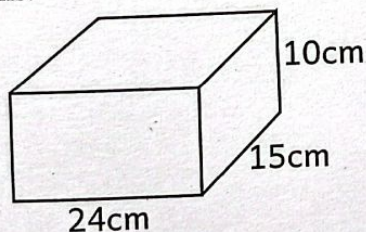
17. To walk from home to school, Maxwell took 25 minutes. What is this time in seconds?

- A. 150 sec
- B. 250sec
- C. 1500sec
- D. 2500 sec

18. Grade 5 learners were asked to name the services offered by banks. Which one of the following is **not** a service offered by banks?

- A. Money saving
- B. Provide loans
- C. Safe custody of valuable items
- D. Provide free money

19. Grade 6 pupils made the box below using cartons.



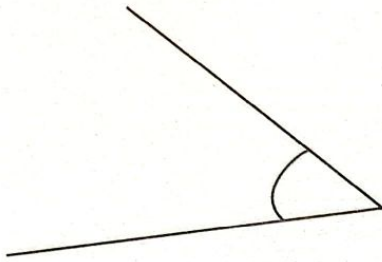
What is the volume of the box?

- A.  $3600\text{cm}^3$
- B.  $360\text{cm}^3$
- C.  $3600\text{cm}^2$
- D.  $360\text{cm}^2$

20. A tailor bought  $8\frac{1}{4}$  metres of cloth. What is the size of the cloth written as an improper fraction?

- A.  $\frac{32}{4}$
- B.  $\frac{33}{4}$
- C.  $\frac{12}{4}$
- D.  $\frac{81}{4}$

21. Use a protractor to measure the angle shown below in degrees.



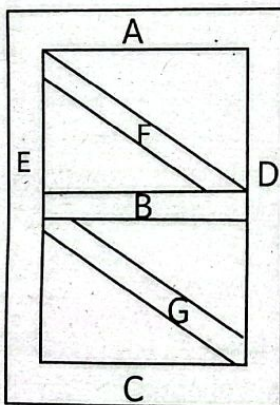
- A.  $45^\circ$
- B.  $135^\circ$
- C.  $90^\circ$
- D.  $60^\circ$

22. The container below was used to fetch water from a tank.



What is the capacity of the container in millilitres?

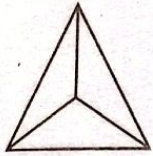
- A. 50,000ml
  - B. 5000ml
  - C. 500ml
  - D. 50ml
23. A carpenter joined pieces of timber to make a door frame as shown below.



Which of the following pieces of timber are perpendicular?

- A. A and B
- B. F and G
- C. E and D
- D. C and E

24. A grade 5 learner collected the following 3-D object in the school compound.



What is the name of the object?

- A. A triangle
  - B. A prism
  - C. A pyramid
  - D. A box
25. Grade 6 learners used a beam balance to balance masses as shown below.



If the two masses are the same, what is the value of letter  $x$ ?

- A. 65
  - B. 35
  - C. 25
  - D. 15
26. A lorry carried 8 bags of maize. If the mass of each bag was 75kg 250g, what was the total mass of all the bags?
- A. 600kg 2000g
  - B. 620kg 00g
  - C. 600kg 200g
  - D. 602kg 00g

27. The table below represents the learners favourite sport in a class of 36 pupils.

Sport	Number of learners
Football	14
Netball	6
Volleyball	8
Table tennis	4

How many pupils did not state their favourite sport?

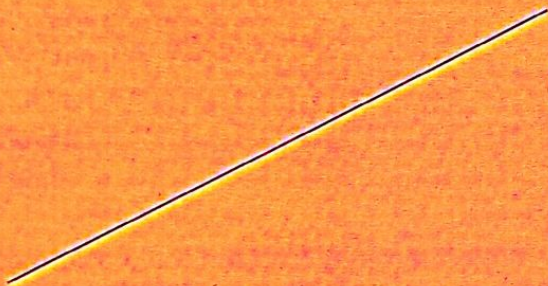
- A. 36
- B. 32
- C. 2
- D. 4

28. Grade 5 learners were asked to name a common multiple of 8 and 12. Which is the correct answer?
- A. 2
  - B. 4
  - C. 24
  - D. 16

29. Work out:

Weeks	days
7	6
+ 6	4

- A. 14 weeks 3 days
  - B. 14 weeks 0 days
  - C. 13 weeks 0 days
  - D. 13 weeks 3 days
30. Using a ruler measure the line drawn below in centimetres.



- A. 4cm
- B. 6cm
- C. 8.3cm
- D. 10cm