TARGETER WINGS
JUNIOR SCHOOL ASSESSMENT
GRADE 7 - 2024

Wings 005

Time: 1hr 40mins

MATHEMATICS

Name	
School	
Adm No:	Date

Instructions:

(a) Write your name, school, admission number and date in the spaces provided above.

(b) Answer all questions in this question paper.

FOR EXAMINER'S USE ONLY

| Questions	Maximum score	Student's score	Performance scale
1	1		
2	2		
3	2		
4	2		
5	2		
6	2		
7	1		
8	2		
9	2		
10	2		
11	2		
12	2		
13	2		
14	1		
15	2		
16	2		
17	2		
18	2		
19	1		
20	2		
21	2		
22	2		
23	1		
24	2		
25	2		
26	2		
27	3		
Total	**50**		

TW-005

MATHEMATICS GRADE 7

1. In Nigeria, the population of anopheles mosquitoes was estimated to be three hundred and thirty-four million, seven hundred and five thousand five hundred and ninety-six. What was the number in symbols? (1mk)

2.. A milling company produced 567834 tonnes of maize flour in the year 2022 and 983460 tonnes in the year 2023. What is the total value of digit 2 in the sum of tonnes produced altogether?
(2mks)

3. In a book, a chapter of 16 pages is made up of 3840 words. There are 20 lines on each page. How many words on average are there in one line? (2mks)

4. A drum holds 280 litres of water when full. If the drum is $\frac{3}{4}$ full, how many milliliters are remaining to fill the drum? (2mks)

5. What is the area of the shaded part in the diagram below? (2mks)

10cm, 26cm, 10cm, 24cm
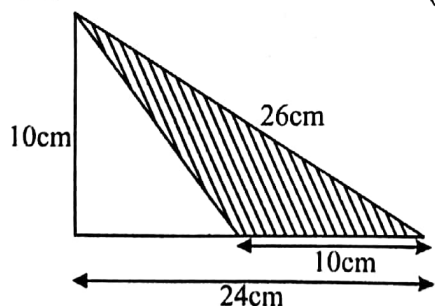
6. What is $\frac{1}{6}$ of (24 - 6) x $\frac{1}{4}$ ÷ 2 ? (2mks)

7. Find the possible missing digit to make the number divisible by 9. (1mk)
91 _____ 7

8. Mary owns a grocery at Githurai 45 Market. She packed 54 oranges, 48 apples and 84 pears equally in cartons for delivery. What was the largest number of fruits packed equally in each carton? (2mks)

9. Evaluate: 63 - 9 x 12 ÷ 4 + 28 (2mks)

10. Mr. William provided a ribbon 8.4m long to his learners. They shared equally into equal pieces of 0.6m each. How many learners were there in the class? (2mks)

11. Find the value of angle **X** in the figure below. (2mks)

x^0
$(x + 4)^0$
$(x + 2)^0$
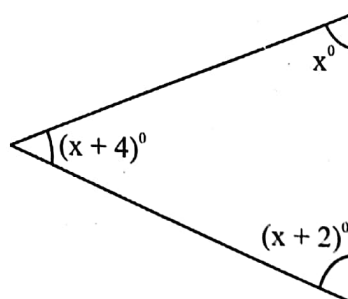
12. The area of a square piece of land is $38.44m^2$. Find it's perimeter. (2mks)

13. A wire is needed to support a 30 metres electric pole. This wire is anchored to the ground 40 metres from the base of the pole. What is the length of the wire? (2mks)

14. If **X** is added to 14, the result is greater than or equal to 35. Write an inequality to express this information. (1mk)

15. Arrange the following fractions in descending order. $\dfrac{4}{5}, \dfrac{1}{4}, \dfrac{7}{8}, \dfrac{2}{3}$ (2mks)

16. What is the perimeter of the following rectangle? (2mks)

$(3x + 5)$cm

$2x$cm

$(5x - 3)$cm
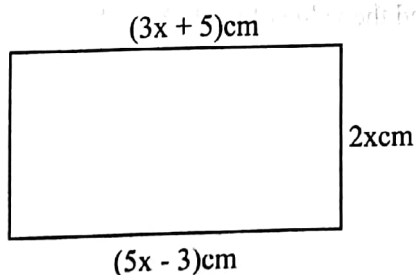
17. Which is the next number in the sequence. (1mk)
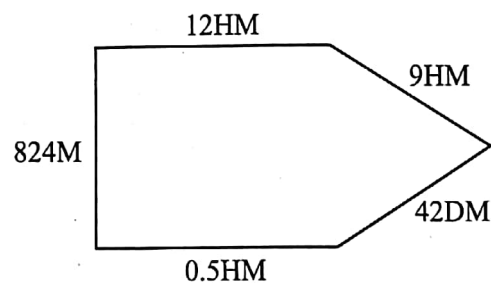
4, 11, 22, 37, _____.

18. If $r = 4$, $x = 2$ and $t = 3$. Find the value of (2mks)

$$\frac{R^2 + X^2 - T}{T}$$

19. Find the sum of all the prime numbers between 10 and 30. (1mk)

20. Find the product of the L.C.M and G.C.D of 16, 24 and 30. ? (2mks)

21. Find the distance round the following figure in Decametres. (2mk)


12HM

9HM

824M

0.5HM

42DM

22. What is the product of 3.251 and 0.4 correct to 2 decimal places? (2mks)

23. A train left Nairobi at 1745hrs. It took 7hrs 19 minutes to reach Mombasa. At what time in the 12-hour system did it reach Mombasa? (1mks)
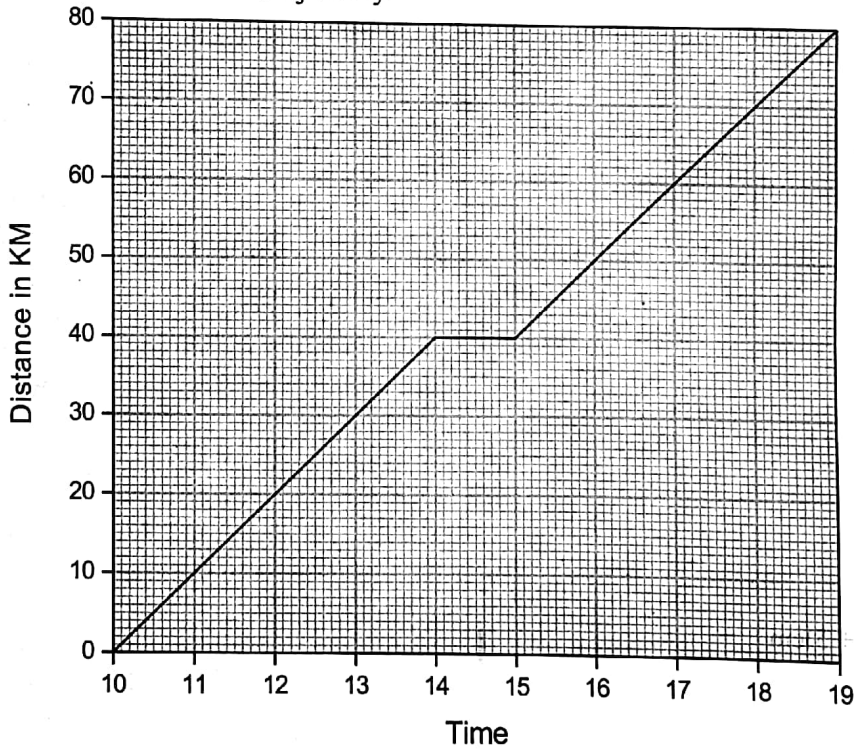
24. Mercy bought the following items:
3kgs of wheat flour for sh. 480
3 loaves of bread @ sh. 65
4 pencils @ sh. 20
2 bars of soap @ sh. 140
How much did she pay for the items? (2mks)

25. The field of Success Junior Secondary is in the form of a trapezium. What is the area of the field in square metres? (2mks)
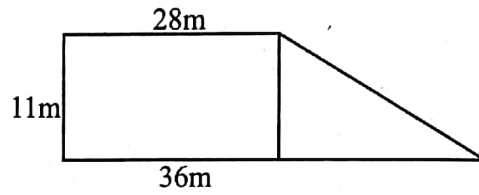
26. Subtract $3\frac{1}{6}$ and $4\frac{2}{3}$ from $10\frac{3}{4}$ (2mks)

27. The graph below shows Andrew's journey.

a) What distance did he travel after resting? (1mk)

b) What was his average speed for the whole journey? (1mk)

c) What distance had he covered at 5:30pm? (1mk)