

TARGETER WINGS JUNIOR SECONDARY SCHOOL ASSESSMENT GRADE 7 - 2023



TIME: 1 hour 40 mins

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	2		
2	2		
3	2		
4	2		
5	2		
6	2		
7	2		
8	2		
9	2		
10	2		
11	2		
12	2		
13	2		
14	2		
15	2		
16	2		
17	2		
18	2		
19	2		
20	2		
21	2		
22	2		
23	2		
24	2		
25	2		
Total	50		

1. A tea processing factory in Limuru produced 632 905 984 packets of tea leaves in the year 2022. What was the value of the number of tea leaves packets represented by digit 3 in the number of packets produced? (2mks)

2. Write the amount "167800635" in the cheque below in words for a business man who was paid through it for selling four houses to a certain bank. (2mks)

METROPOLITAN Cannon

Date _____

Pay _____ or Order KSh 167 800 635

Kenya Shillings _____

Authorized Signatures _____

Authorized Signatures _____

3. The Government of Kenya printing press printed 93 641 768 text books in a certain year. Round off the number of grade 7 text books printed to the nearest hundreds of millions. (2mks)

4. Classify the following numbers into either even or odd:

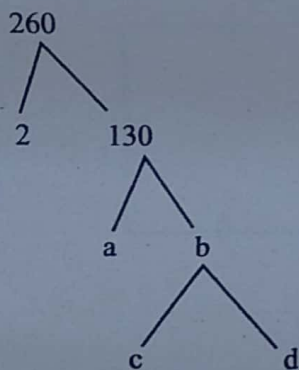
185, 5994, 36, 263, 358, 361 (2mks)

Even _____

Odd _____

5. List all prime numbers between 50 and 60 (2mks)

6. The diagram below represents the number 260 expressed into its prime factors. Fill in the missing factors named a, b, c and d. (2mks)



a = _____ b = _____ c = _____ d = _____

7. A grade 7 teacher shares 15 sweets and 24 sweets among her grade 7 learners so that each learner gets an equal number of sweets. Find the greatest number of learners who can share the sweets equally. (2mks)

8. Find the length of the shortest piece of rope that can be cut into equal lengths of 2m or 3m or 5m. (2mks)

9. Find the numbers represented by letters a, b, c and d in the puzzle below such that the numbers form vertical and horizontal sequences obtained from subtraction. (2mks)

2	a	6
9	5	b
c	d	8

10. Work out: $45 \times 12 + 20 \div 5 =$ _____ (2mks)

11. Find the next number in the sequence below (2mks)

25, 49, 121, 169, 289, _____

12. Which of the following numbers is divisible by 6? (2mks)

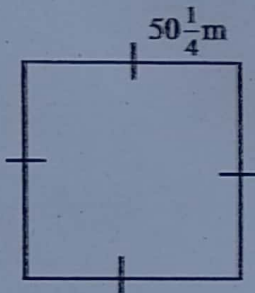
69002, 30024

13. Which is the smallest number that should be added to 70645 to make it divisible by 11? (2mks)

14. Arrange the following fractions in descending order (2mks)

$$\frac{1}{2}, \frac{2}{5}, \frac{5}{6}, \frac{7}{10}, \text{---}$$

15. The figure below represents Jane's square piece of land whose side is $50\frac{1}{4}$ m. How big is the land in square metres? (2mks)



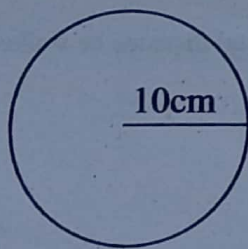
16. Larissa walks $2\frac{1}{2}$ km on Monday and $3\frac{1}{3}$ km on Tuesday. Find out the total distance he walked in the two days. (2mks)

17. A farmer has $11\frac{1}{3}$ hectares of land. He ploughed $8\frac{1}{2}$ hectares and left the rest to fallow. How many hectares of land did he leave to fallow? (2mks)

18. Justus bought 7 packets of sugar. Each packet contains $\frac{3}{4}$ kg of sugar. How many kg did Justus buy? (2mks)

19. A jug contains $\frac{3}{4}$ litres of milk. The milk is divided into glasses with capacity of $\frac{1}{8}$ litres. How many such glasses were filled? (2mks)

20. What is the circumference of the circle below? Use π as 3.14 (2mks)



21. Using long division solve: $214.291 \div 2.3$ (2mks)

22. By use of long division method find out square root of; 2209 (2mks)

23. What is the area of a square flower garden whose perimeter is $(12\frac{2}{3})$ m? (2mks)

24. A square field has a length of 125m. find the cost of paving the field at a rate of sh. 115 per m^2 (2mks)

25. I think of a number, multiply the number by 6, then add 30. The result is 120. Write an equation and use it to find the number I was thinking of. (2mks)