

TARGETER WINGS
JUNIOR SECONDARY SCHOOL ASSESSMENT
GRADE 8 - 2024



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 good Samaritan donated five hundred and thirty-six million, seven hundred and sixty-eight thousand and nine to a children's home. How much money did he donate in symbols? (2 marks)

2. Which digit is in the hundreds of millions place value in the number **136852759**? (2 marks)

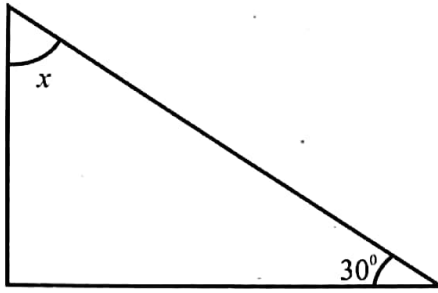
3. What is **373.89185** written to three decimal places? (2 marks)

4. A carpenter earns ksh. 1500 daily. How much did he earn in February in the year 2023. (2 marks)

5. Mukuyuni primary school has 1800 pupils. A third of the pupils are boys and the rest are girls. If a quarter of the girls play football, how many girls play football? (2 marks)

6. A train coach can carry 178 passengers. How many coaches will be needed to carry 6408 passengers? (2 marks)

7. Calculate the size of the angle marked with letter X in the triangle below. (2 marks)



8. Three bells ring at intervals of **24mins, 30mins and 36mins**. If they rang together at 7:30 am. At what time will they ring together again? (2 marks)

9. Solve the following equation to find out the value of x . (2 marks)

$$7x - 6 + 3x + 4 = 18$$

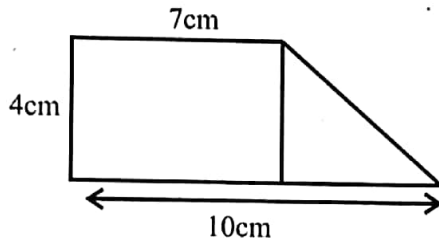
10. Work out the missing digit to make it divisible by 11. (2 marks)

$$17 _ 2$$

11. A jerrican has a capacity of 24 litres. What is the capacity of the jerrican in cubic centimetres?
(2 marks)
12. Arrange these fractions $\frac{3}{5}$, $\frac{4}{5}$, $\frac{1}{8}$ in ascending order. (2 marks)
13. A school received 3645678 story books. In first term, twenty-five thousand more books were bought. How many books are there in total? (2 marks)
14. Murathe bought a cow for Ksh. 10,500. He later sold it for Ksh. 12400. Calculate his profit. (2 marks)
15. The mean mass of 5 boys is 42kg. The masses of the first 3 boys are 45kg, 39kg and 40kg. If the remaining two boys weigh the same, what is the mass of each of the two boys? (2 marks)

16. A sports meeting started at 10:15am. What time did it end in 12-hour system if it took 3 hours and 50 minutes? (2 marks)
17. What is the difference between the LCM and GCD of 24, 40 and 48? (2 marks)
18. What is the next number in the pattern below: 123, 102, 84, 69, 57, _____? (2 marks)
19. The perimeter of a rectangular plot of land is 56m. The width of the plot is 12m. What is the length of the diagonal in metres? (2 marks)

20. Find the area of the figure below. (2 marks)



21. Pupils in a class of 40 were asked to choose their class prefect. The results were as shown in the table below. Some pupils did not vote.

Prefect	Dau	Ken	Jane	Ben	Cate
No. of votes	6	2	11	8	7

What percentage of the class did not vote? (2 marks)

22. There are b boys in a class. There are 5 more girls than the boys. If the total number of pupils in the class is 35, how many girls are there? (2 marks)

23. State two services offered by a bank. (2 marks)

a)
b)

24. The following is a timetable of a bus travelling from Kisii to Nairobi. Use it to answer the questions that follows.

Station	Arrivals	Departure
Kisii		0900h
Bomet	1100h	1115h
Narok	1330h	1400h
Mai mahiu	1515h	1530h
Nairobi	1700h	

At what time did the bus arrive in Nairobi in 12-hour clock system? (2 marks)

25. How long did the bus take to travel from Kisii to Nairobi? (2 marks)