

# TARGETER WINGS

## JUNIOR SECONDARY SCHOOL ASSESSMENT

### GRADE 7 - 2024



Wings  
001

Time: 1 hr 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	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	1		
21	2		
22	2		
23	2		
24	3		
25	2		
<b>Total</b>	<b>50</b>		



5. Work out the value of:  $140 + 90 - 30 \times 24 \div 6$  (2 marks)
6. What is the reciprocal of 18? (2marks)
7. What is the smallest number that can be divided by 6, 16 and 28 without a remainder? (2marks)
8. A motorist covered a distance of 54.1586km. Round off the distance he covered to three decimal places. (2marks)

9. What is the sum of the prime numbers between 20 and 30?

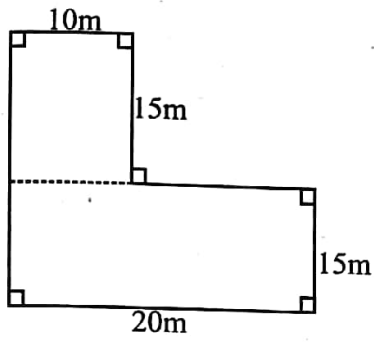
(2 marks)

10. The county government of Nairobi distributed 43 bags of rice to each of the 546 schools in the county.  
How many bags were distributed altogether? (2 marks)

11. The length of a spoon is 22cm 5mm. What is the total length of 10 such spoons in mm? (2 marks)

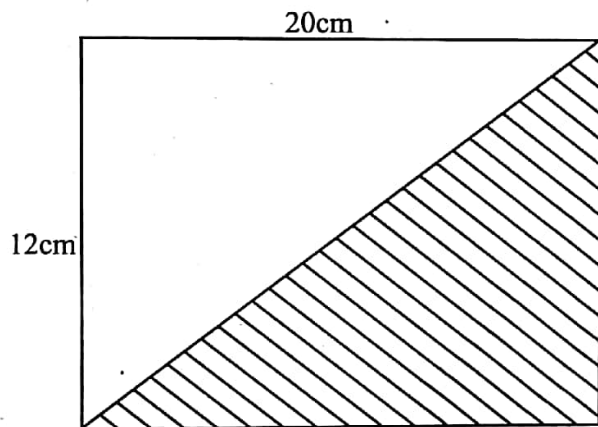
12. Find the total area of the field drawn below in square metres.

(2 marks)



13. Find the area of the shaded part in the figure below.

(2 marks)

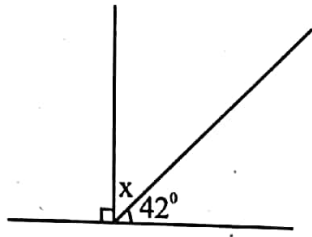


14. A butcher had 15 kilograms of meat, he sold  $8\frac{1}{2}$  kilograms. How many kilograms of meat was he left with?

(2marks)

15. Find the size of the angle marked  $x$ .

(2 mark)



16. In the equation below, solve the value of  $y$ .

(2marks)

$$\frac{2}{2}y + 5 = 7$$

17. Ahmed sold a radio for sh. 2450. He made a loss of sh. 550. How much had he bought the radio?

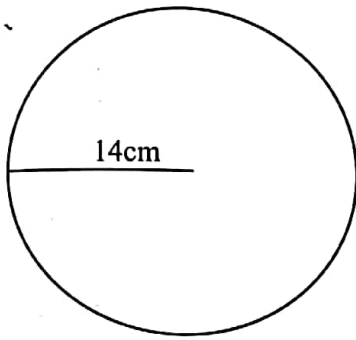
(2marks)

18. A shop keeper had 2 tonnes of sugar. He packed the sugar into 5kg packets. How many packets did he obtain?

( 2 marks)

19. Find the circumference of the circular field drawn below.

(2marks)



20. What is 12.10am written in 24 hour clock system?

(1mark)

21. Grace bought the following items from the shop:

2 loaves of bread at sh. 65

3 packets of milk for sh. 165

1 match box @ sh.5.

If she paid for the items using a 500 shilling note. How much balance did she get?

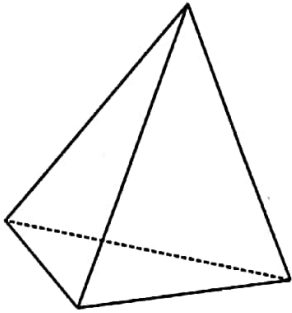
(2marks)

22. A rectangular container measures 13cm long, 10 cm wide and 14 cm high. Calculate the amount of water it can hold in cubic centimetres.

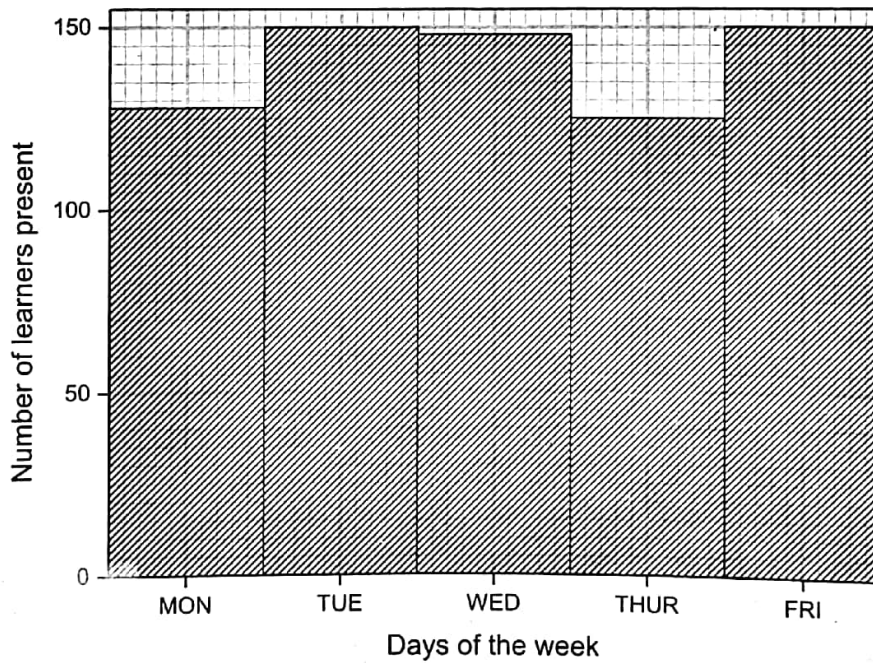
(2marks)

23. A family used 45 litres of water in one week. What is the capacity of water used by the family in 3 weeks in millilitres? (2marks)

24. The diagram below shows a 3-D shape. What is the sum of its faces, vertices and edges? (3marks)



25. The graph below shows the number of learners who were present in a school in one week. (2 marks)



What was the total number of learners present the whole week?