

# COMPETENCE BASED CURRICULLUM JUNIOR SCHOOL ASSESSMENT

## GRADE 7 2024 TERM ONE

MATHEMATICS

2 HOURS

*Marking scheme*

1. A milling factory produced 85147000 kg of maize flour in the year 2020.
- a. Fill in the number of kilograms produced in the two years in the place value chart below. ( 2mks)

Number	HOM	TOM	M	HOT	TOT	T	H	T	O
854147000	8	5	4	1	4	7	0	0	0

2. What is the **place value** of **digit 6** after working out the **sum** of **235,652** and **2,465,021**?  
(1 marks)

**Ans Hundreds**

3. What is the total value of digit **7** after working out the **product** of **879** and **54**?  
(1 marks)

**Ans 7,000**

4. What is **eighty eight million, six hundred and three thousand and eight less a thousand**?  
(1 marks)

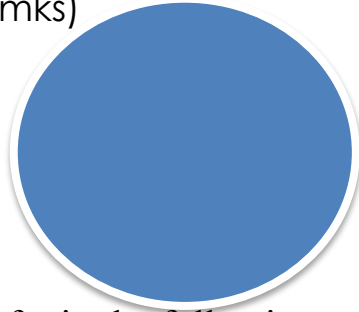
**Ans 88,602,000**

5. Round off 587,890 to the nearest hundreds of thousands.

(1 mark)

Ans 600,000

6. What is the distance round the circular swimming pool below of radius 7m? ( 2mks)



$$P = \pi d = 22/7 \times 14$$

Ans = 44m

7. Find the value of x in the following

(2 Mks)

$$15x - 60 = 130 + 5x$$

Ans X=19

8. If r=5, s=2, and t=3, find the value of;

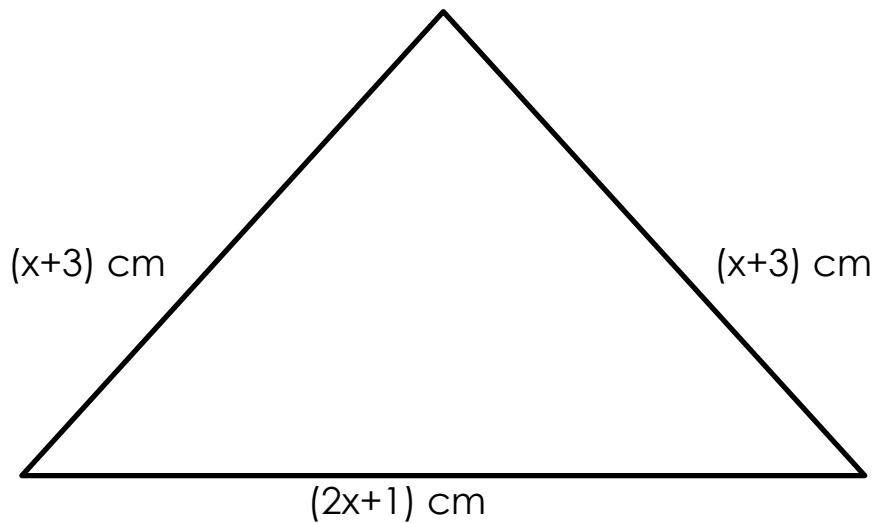
(3mks)

$$\frac{r^2 + s^2 - t}{t^3}$$

$$\frac{5^2 + 2^2 - 3}{3^3} = \frac{25 + 4 - 3}{27}$$

$$= \frac{26}{27}$$

9. Calculate the perimeter of the triangle below.(2 mks)



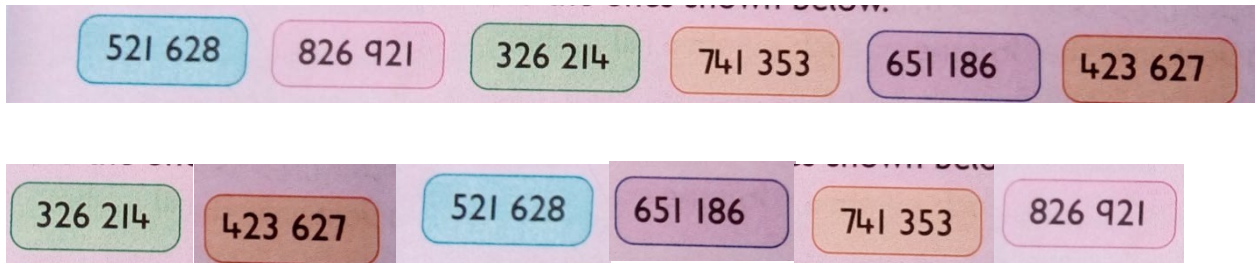
**Ans** =  $(4x+7)$  cm

10. Olive went to a supermarket to buy digital devices. She saw them displayed as follows:



- What was the price of a mobile phone? **Ans** 25,383( 1mk)
- Of the 5 items, which one was the biggest in size? PRINTER( 1mk)
- How much more was the printer than the laptop?( 1 mk)  
**Ans** 1,158,607

11. Arrange the following numbers in ascending order. ( 1mks)



12. What is the **sum** of **all prime numbers** between **10 and 30**?  
(2 marks)

**Ans 110**

13. Work out the following.  
(2 marks)

$$63 - 9 \times 12 \div 4 + 28$$

**Ans 64**

14. A certain man won a prize of Kenya shillings sixty million, forty-five thousand, two hundred and ninety. What is this prize written in symbols? **(1mk)**

**Ans 60,045,290**

15. What is the sum of total values of the digits in the hundreds and ten thousands position in the number 740,536.? **(2mk)**

**Ans 40500**

16. Work out: (2mk)

$$45 - 7 \times 6 \div 12$$

**Ans 41.5**

17. Ngoya worked out the difference of LCM of 12 and 24 and the G.C.D of 36 and 54. What answer did he get? (2mk)

**Ans 6**

18. The price of a car is sh.4,990,675. How much is the amount rounded off to the nearest thousands? (1mk)

**Ans 499,000**

19. What is the smallest number that can be subtracted from 40658 to make it divisible by 11? (1mk).

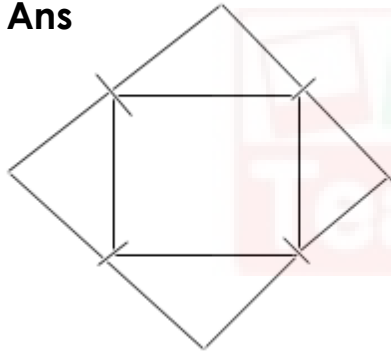
**Ans**

20. What is  $\frac{2}{3}, \frac{5}{6}, \frac{3}{4}$  and  $\frac{7}{12}$  arranged in increasing order? (1mk)

**Ans**  $\frac{7}{12}, \frac{2}{3}, \frac{3}{4}, \frac{5}{6}$

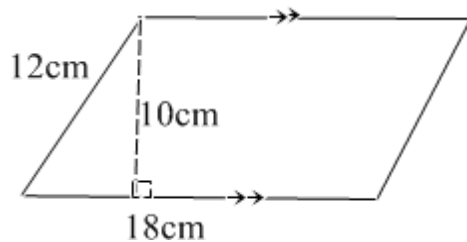
. The figure below represents the net of a solid. The net is folded to form the solid. How many edges, faces and vertices will the solid have? (3mks)

**Ans**



No of faces=5  
No of vertices =5  
No of edges=8

21. Find the area of the figure below. (2mk)



**Ans 180CM<sup>2</sup>**

22. A school bus left the school at 4.45 p.m to transport learners' home. What was the time in 24hrs clock system? (1mk)

**Ans 1645HRS**

23. Work out: (2mk)

	Tonnes	kilograms
	15	450
	-6	775
<b>Ans</b>	8	675

24. A dairy farmer sells 240 000 cm<sup>3</sup> of milk every day. How many litres of milk does the farmer sell every day? (2mk)

**Ans** 240L

25. What is the value of x in the equation. (2mks)

$$5x+3(x-4)=36$$

**Ans** X=6

26. Work out. (2mk)

$$0.072 \div 0.6$$

**Ans** 0.12

27. The area of a rectangular plot is 576m<sup>2</sup>. What is the length of a square with the same area? (2mk)

**Ans** 24m

28. Work out the following .( 1mk)

a.  $33\frac{7}{12} + 40\frac{2}{3}$

**Ans**  $74\frac{1}{4}$

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*.....Every learner counts.....*