SCHOOL BASED ASSESSMENT.
GRADE 8.
Mathematics.
Term 1 Midterm.
Time: 2 Hours.

Learner Name: _____

Grade: _____   **Stream:**_____

Assessment Date: _____

FOR EXAMINERS USE ONLY.

Score Range	Performance Level	Tick
80-100	**Exceeding Expectation**	
60-79	**Meeting Expectations**	
40-59	**Approaching Expectations**	
Below 40	**Below Expectations**	

OUT OF	50 MARKS
Learners Score.	
Learners **%**	

Instructions to Learners.
Answer all the Questions in the spaces provided after each question.

1. Work out the following: (4mks)
    a.) 5 - (-4)=
    b.) -6 + 4 =
    c.) 6 – (-6) =
    d.) (-3) + (-4) =

2. Use the number lines below to work out the following.   (6mks)
a.) -1 +4 =

    3 + (-4) =
b.)

c.) -3 + 7 – 2 =

3. Due to Elnino disaster the government imported 694004934 bags of maize to distribute to the victims. Rite the number in words.   (2mks)

4. Teacher Alice of Mwangaza Junior secondary school wrote the following number below on a flash card.

    599048632.9607

    a.) What is the total value of digit 8?   (1mks)
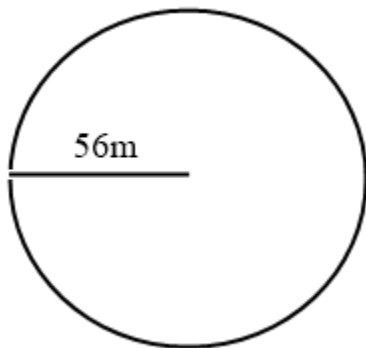
b.) What is the place value of digit 5? (1mks)

5. Explain how we can test the divisibility of 11. (2mks)

6. Three containers of capacity 70litres, 35 litres and 42 litres, determine the capacity of the greatest container which can be used to fill each of them an exact number of times. (2mks)
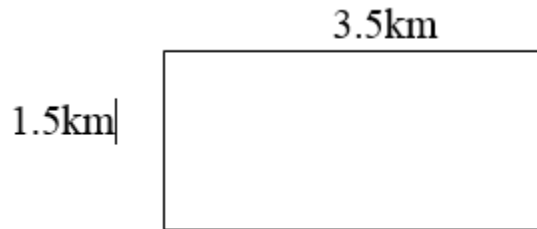
7. Work out: (2mks)
$\sqrt{625} + 16^2 - \sqrt{81}$

8. Lewis ran around the field below 8 times. What distance did he cover in kilometres? (2mks)

56m

9. A lorry carried 6984kg of coffee. If it made 29 trips, how many kgs did it deliver in total. (2mks)

10. How many times is the total value of digit 3 more than the value of digit 5 in the number 236458?   (2mks)

11. Find the area of the rectangle.

3.5km

1.5km

12. On a hot day the temperature of our classroom was 36^0 C. What was the temperature of the room in Kelvin? (2mks)
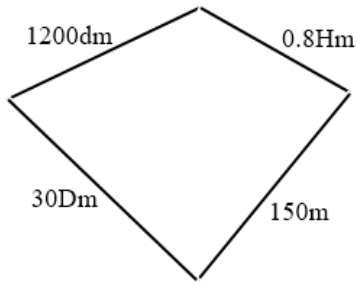
13. Write down 4 characteristics of a pentagon.   (4mks)
_____
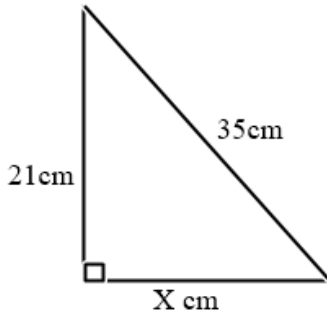_____
_____
_____

14. Work out: (4mks)
   a.) $^3/_4 \div 1^1/_8 =$

   b.) $4^1/_2 + ^3/_5 - 1^6/_7 =$

15. The figure below represents Tembo's piece of land. What is the total length of Tembo's land in metres
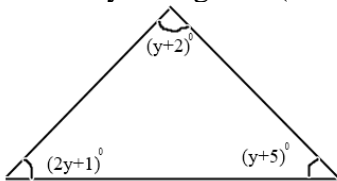
Km=kilometres.
Hm=Hectometres.
Dm=Decametres.
dm=decimetres

16. What is the length of the base labelled "X cm" on the right-angled triangle below?

17. The diagram below shows the interior angles of a triangle, use the diagram to form an equation and find the value of y in degrees. (Hint the sum of interior angles of a triangle adds up to 180^0) (2mks)

18. Work out: (2mk)
27 ÷ 9 x 3+6 -13

19. What is the reciprocal of $6^1/_5$? (2mks)

20. The table below shows travel timetable from Nairobi to Murang'a town in Kenya.

TOWN	ARRIVAL	DEPARTURE
NAIROBI	11.45am	11.00am
RUIRU	1.15 pm	12.3-pm
THIKA	2.30pm	1.45pm
KENOL	4.00pm	3.10pm
Murang'a		

How long does a bus travelling from Nairobi take to reach Murang'a town? (2mk)

21. What is the sum of all prime number between 9 and 39? (2mks)

22. During a mathematics lesson on perimeter, a teacher drew the figures below. Work out their perimeters (3mks)