JUNIOR SCHOOL ASSESSMENT

GOLDEN MERIT

GRADE NINE 2026

MATHEMATICS {9}

Learner's Name: _____

Assessment No. _____ Date: _____

INSTRUCTIONS TO CANDIDATES

(i). Write your name, Assessment number. (ii). Answer all questions in the spaces provided ,

TIME : 2 HRS

SECTION	MAXIMUM SCORES	LEARNER'S SCORE
A	20 MARKS	
B	30 MARKS	

SECTION : A

1. Write the following in words 10010405
   A. Ten million one hundred thousand four hundred and five
   B. One million ten thousand four hundred and five
   C. Ten million ten thousand and forty five
   D. Ten million ten thousand four hundred and five

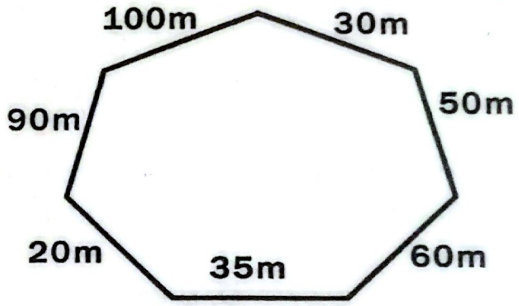
2. The place value of digit 9 in 4295137 is __
   A. Hundred thousands
   B. Ten thousands
   C. Thousands
   D. hundreds

3. What is the next number in the sequence shown
   2, 6, 12, 30, ____
   A. 36 B. 56
   C. 40 D. 42

4. Which one of the following numbers is not divisible by 11?
   A. 26059 B. 18107
   C. 1749 D. 4576

5. A shoe dealer recorded the sizes of the first ten pairs of shoes sold as follows:_
   6, 10, 7, 9, 10, 11, 7, 6, 7, 8.
   What was the mode of these shoe sizes?
   A. 7.5 B. 32
   C. 7 D. 11

6. Calculate the perimeter of the figure below



   A. 259m B. 385m
   C. 358m D. 322m

7. Find the prime factors of 1089
   A. $4^2 \times 11^4$
   B. $2^2 \times 11^2$
   C. $3^2 \times 11^2$
   D. $3^2 \times 11^3$

8. Solve the equation; $10 - \frac{4p}{5} = 1 + p$
   A. 4 B. 6
   C. 8 D. 5

9. Express 0.625 as a fraction in the lowe terms
   A. $^1/_4$ B. $^1/_8$
   C. $^3/_8$ D. $^5/_8$

10. Work out:
    $\frac{0.12}{0.2} + \frac{0.02}{0.004}$
    A. 2.5 B. 5.0
    C. 5.5 D. 5.6

11. A sum of sh. 500 is divided among Mary, Jane and Beatrice in the ratio 2:3:5.
How much more does Beatrice receive than Mary?
A. 100 B. 150
C. 250 D. 50

12. Calculate the difference between the L.C.M and G.C.D of 12, 27 and 36
A. 105 B. 324
C. 36 D. 111

13. A shopkeeper sells a T-shirt for sh.40, making a profit of 25% on the price he paid for it.
What did he pay for it?
A. sh. 31 B. sh. 8
C. sh. 32 D. sh. 64

14. Simplify:
$2\frac{2}{5} - 1\frac{3}{4} + \frac{7}{10}$
A. $1\frac{9}{20}$ B. $1\frac{7}{20}$
C. $1\frac{1}{20}$ D. $1\frac{5}{20}$

15. A sum of money, earning a simple interest at 20% p.a. doubles in x years. Find x
A. 8 yr B. 3
C. 4yrs D. 5 yrs

16. Convert $6\frac{2}{5}$ m^3 into cm^3.
A. $640000cm^3$
B. 64000
C. $640cm^3$
D. $640000cm^3$

17. Express the speed of 25m/s in km/h.
A. 45km/h
B. 90km/h
C. 30km/h
D. 60km/h

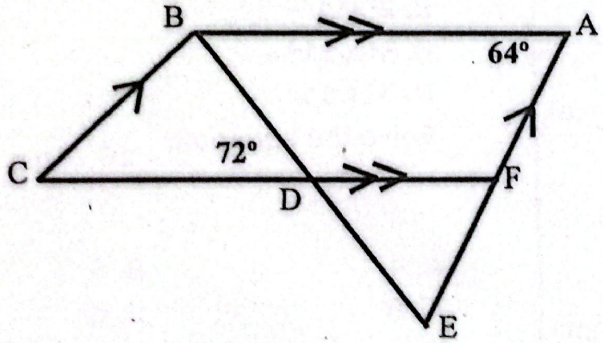
18. Find the value of
$(0.08)^2 \div (0.2)^2$
A. 0.8 B. 0.16
C. 0.32 D. 0.64

19. Find the volume of a tank 1m long, $\frac{1}{2}$m wide and 75cm deep in m^3.
A. $0.375m^3$ B. $3.75m^3$
C. $03.7m^3$ D. $375m^3$

20. Here are the heights in cm of a group of 10 boys. Find their mean in height.
60, 70, 75, 65, 75, 70, 78, 72, 75, 70
A. 70.5cm
B. 70cm
C. 71.0cm
D. 72.5cm

SECTION : B

21. In the figure below,line BA and CF, BC and FA are parrallel lines. Find the value of angle DEF. (3mks)



22. Solve the following simultaneous equations. (3mks)
$x + y = 10$
$x + 6y = 5$

23. Using a pair of compasses and ruler only;
a) Construct triangle ABC such that AB = 8cm, BC = 6cm and angle ABC = 30°. (3 mk
b) Measure the length of AC (1 mk
c) Draw a circle that touches the vertices A,B and C. (2 mk
d) Measure the radius of the circle (1 mk)
e) Hence or otherwise, calculate the area of the circle outside the triangle. (3 mk

24. Three automatic electric bells A, B and C ring at intervals of 20 minutes, 30 minutes and 50 minutes respectively. If the bells ring together at 8.20 a.m, at what time will they ring simultaneously again for the first time. (3 marks)

25. A map is drawn using a scale of 1:200000. Find the actual area represented on the map by a rectangle 2cm by 2.5cm, giving your answer in km^2.

(3mks)

26. Wekesa spent one eighth of his February salary on farming , half on school fees and two thirds of the remainder on food .If he spend shs 3300 on food, Calculate;

a. His February salary

(2mks)

b. The amount he spent on school fees.

(2mks)

7. Rachael was sent to buy the following from Oyugis supermarket:

- 4 loaves of bread @ sh. 50
- $1\frac{1}{4}$ kg of sugar @ sh.52
- 2-2kg packets of wheat flour @ sh.120
- 3 packets of milk for sh.150

She paid for the items using a sh. 1000 note. How much should she add the cashier to get a balance of sh. 500?

(4mks)