

LUBINU / LUSHEYA WARD

EVALUATION TEST STD 8 TERM 1 – 2020

MATHEMATICS

HOW TO USE THE ANSWER SHEET

Time: 2 Hrs

1. Use only an ordinary pencil.
2. Make sure that you have written on the answer sheet:-
(i) YOUR NAME (iii) NAME OF YOUR SCHOOL

3. For each question show the correct answer by drawing a line in the brackets in which the letter you have chosen is written.

1. Write 6660606 in words
 - A. Six million six sixty thousand six hundred and six
 - B. Sixty six million sixty thousand, six hundred and six
 - C. Six million six hundred and sixty thousand six hundred and six
 - D. Six million sixty thousand sixty and six
2. Arrange $\frac{2}{3}$, $\frac{5}{12}$, $\frac{1}{8}$ and $\frac{4}{5}$ from the smallest to the largest
 - A. $\frac{1}{8}$, $\frac{5}{12}$, $\frac{2}{3}$, $\frac{4}{5}$
 - B. $\frac{2}{3}$, $\frac{4}{5}$, $\frac{1}{8}$, $\frac{5}{12}$
 - C. $\frac{4}{5}$, $\frac{2}{3}$, $\frac{5}{12}$, $\frac{1}{8}$
 - D. $\frac{1}{8}$, $\frac{2}{3}$, $\frac{4}{5}$, $\frac{5}{12}$
3. Mkulima harvested 20 tonnes of maize. He gave 4500kg his parents, 3500kg to his church and used 8500kg and sold the rest. How many tones of maize did he sell?

A. 3.5 B. 7.0 C. 16.5 D. 26. 5
4. A closed cylindrical tank was made using metal sheets. The diameter of the tank was 1.4m and its height was 20m. how many square meters of the metal sheet was used to make the tank?

A. 89.54 B. 91.08 C. 88 D. 30.8
5. Twelve men can do a piece of work in 18 days. How many more days can 9 men take to do the same work?

A. 24days B. 13 ½ days
C. 5 ½ days D. 6 days
6. Workout the value of $\frac{1}{2} + \frac{9}{10} + 3\frac{3}{5} - \frac{1}{5}$ of $\frac{1}{4}$.

A. $\frac{11}{80}$ B. $\frac{17}{360}$ C. $\frac{7}{10}$ D. $\frac{69}{100}$
7. A cylindrical container has a diameter of 14m and a height of 10m. How many litres of water can it hold when full?

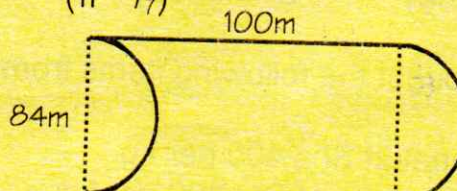
A. 1540 B. 15400
C. 154000 D. 1540000
8. At the beginning of the year 2016, there were 1005 boys and 1206 girls in a certain school. At the end of the year 65 boys and 106 girls left the school. In the year 2017, 120 boys and 110 girls transferred from the school. What was the population of the school at the end of 2017?

A. 1810 B. 2040 C. 2265 D. 2010
9. Which one of the following is true about a quadrilateral?
 - A. Has four sides
 - B. All sides are equal
 - C. All angles are equal
 - D. Opposite sides are parallel
10. What is the next number in the sequence 6, 8, 11, 16, 23 _____

A. 36 B. 34 C. 39 D. 41
11. A piece of land 6.25 ha is to be divided into 0.125 ha plots. If two houses were to be built in each plot, how many houses would be built ?

A. 5 B. 10 C. 50 D. 100
12. What is the Value of $225 \div 5 + 4 (11-6)$

A. 245 B. 81 C. 65 D. 53
13. The figure below represents Mr. Kalewa's piece of land. What distance would he cover if he walks around it 3 ½ times $(\pi \frac{22}{7})$



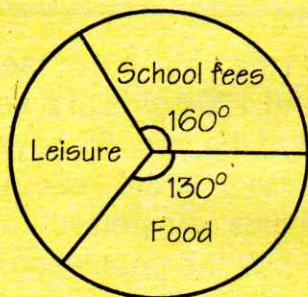
A. 1624 m
B. 1162m
C. 464 m
D. 332m
14. In a sport melting $\frac{3}{10}$ of the attendance were women, $\frac{3}{5}$ of the remainder were men and the rest were children. What fraction of the attendance were children

A. $\frac{21}{50}$ B. $\frac{7}{25}$ C. $\frac{29}{50}$ D. $\frac{49}{50}$

15. Construct triangle XYZ such that line $XY=8\text{cm}$, angle $XYZ=75^\circ$ and angle $XZY=60^\circ$. Bisect angle YXZ to meet line YZ at point M. Measure line XM

- A. 8.9 cm B. 7.6 cm
C. 7cm D. 3.5cm

16. The pie chart below shows how Asumpta spends her salary. If her salary is sh. 18000, how much does she spend on food than on leisure?



- A. 3000
B. 3500
C. 4500
D. 6500

17. Divide 38152 by 38

- A. 14 B. 104 C. 1004 D. 10004

18. What is the value of X in the equation

$$\frac{2(X+1) - 4}{3} = 6?$$

- A. 4 B. 8 C. 10 D. 14

19. What is the product of the LCM and HCF of 20, 40 and 60

- A. 120 B. 140 C. 48000 D. 2400

20. What is the value of $\sqrt{228 + 16^2}$

- A. 22 B. 50 C. 274 D. 418

21. The perimeter of Mr. Nanyeni's square fish pond is 80 meters. What is the area of the fish pond in square metres?

- A. 6400 B. 400 C. 40 D. 20

22. Thirteenth January 2019 was on a Monday. Which day of the week was 18 March the same year?

- A. Friday B. Wednesday
C. Tuesday D. Monday

23. Johnson bought the following items from a shop:

- 2kg of meat at Shs 400 per kg
- 3kg of tomatoes at Sh. 300 per kg
- 1 ½ kg of onions for Sh. 120
- ½ kg of potatoes at Sh. 40 per kg

If she tendered using 4-500 shilling notes how much did she remain with?

- A. Sh. 160 B. Sh. 140
C. Sh. 1840 D. Sh. 1860

24. What is the value of; $ab^2(c^2 - 2a)$

when $a = b + 3$, $b = c - 2$, $c = 4$?

- A. 60 B. 220 C. 280 D. 120

25. A baby woke up at 6:15 am after sleeping for 9hrs and 30min. at what time did she start sleeping in 24 hrs clock system

- A. 0845hrs B. 0945hrs
C. 2045hrs D. 2145hrs

26. Mr. Wamalwa's piece of land is in the form of a right angled triangle whose area is 84m^2 . If its base length is 24m long, what is the length of its longest side?

- A. 3.5m B. 7m C. 13m D. 25m

27. Belinda paid 17000/= for a mobile phone after getting a 15% discount. How much did he save?

- A. Sh. 2550 B. Sh. 3000
C. Sh. 14450 D. Sh. 20000

28. A business lady bought goods worth 5000/=. She spent 1000/= for transport and sold them at 7500/=. Calculate the percentage profit earned

- A. 25% B. 30% C. 50% D. 70%

29. Saleslady earns a basic salary of 12000 per month. In addition she is also given a 5% commission on all goods in one month she sold good worth 160,000/=. How much did the owner of goods remain with that month?

- A. 140000 B. 152,000
C. 20000 D. 8000/=

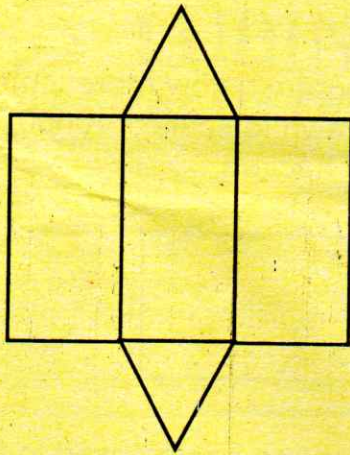
30. In an election 900 people participates in voting. Out of these, 0.25 voted for candidate P. 03 for candidate Q while $\frac{4}{5}$ of the remaining people voted for Candidate R the rest were spoilt votes. How many votes were spoiled?

- A. 225 B. 81 C. 270 D. 405

31. What is the product of 3.745 and 4.06 correct to 2 decimal places

- A. 15.24 B. 15.2
C. 15.20 D. 15.21

32. Below is a net of a solid. Which one of the following solids can be formed from the net?



- A. Rectangular based pyramid
- B. Triangular based pyramid
- C. Rectangular prism
- D. Triangular prism

33. The cash price of a motorbike was 100,000/= Nyamwata bought it on hire purchase terms. He paid a deposit equal to 40% of the cash price and 8 equal monthly installments of 10,000/= each. How much more than the cash price did he pay?

- A. 120000/= B. 72000/=
- C. 60 000/= D. 20,000/=

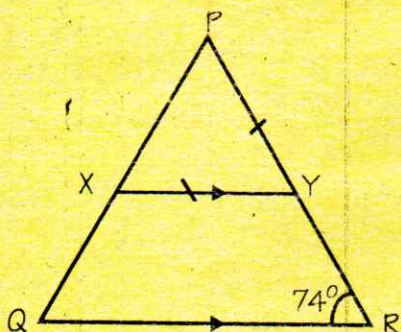
34. Mulama deposited 50,000/= financial institution that paid a simple interest rate of 2.5% per month. How much interest did he earn after 1 year?

- A. 15000 B. 1250 C. 250 D. 75,000

35. The mean of 5 numbers is 9. Four of the numbers are 5, 10, 5 and 14. What is the median of the 5 numbers

- A. 10 B. 11 C. 5 D. 45

36. In the figure below XY is parallel to line QR. Line XY line PY and angle QRP = 74°. What is the size of angle RQP?



- A. 37°
- B. 53°
- C. 106°
- D. 127°

37. Simplify the expression below:

$$\frac{6(p+3r) + p}{4(2r+p) - r}$$

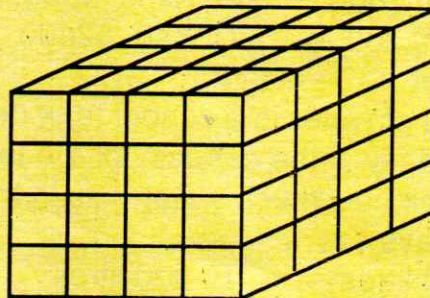
A. $\frac{7p + 3r}{P+7r}$

B. $\frac{4p + 79}{3r + 2p}$

C. $\frac{12p + 18r}{4r + 4p}$

D. $\frac{7p + 18r}{4p + 7r}$

38. Grade 3 pupils of shianderema primary made a stack below using cubes. They then dipped it in paint. How many cubes had 2 faces painted only



- A. 8
- B. 16
- C. 24
- D. 56

39. A rectangular container whose base measures 6.2m by 2m has a height of 3 meters. The tank is two thirds full of water. How many litres of water are needed to fill the tank?

- A. 74400 B. 37200
- C. 24800 D. 12400

40. Joseph and Otande shared a piece of sugar cane such that Joseph ate $\frac{2}{3}$ of the cane. In what ratio did Joseph and Otande share the cane

- A. 2:1 B. 1:2 C. 2:3 D. 3:2

41. Samuel is X year old and two years older than his wife. what will be the sum of their ages in ten years time?

- A. 2x + 8; B. 2x - 12
- C. 2x + 22 D. 2x + 18

42. Construct triangle ABC such that line AB= 6cm. Line AC = 5cm and angle ABC = 120°. Draw a circle touching the points A, B and C. Measure the diameter of the circle.

- A. 11cm B. 5.5cm
- C. 2.8cm D. 1.4cm

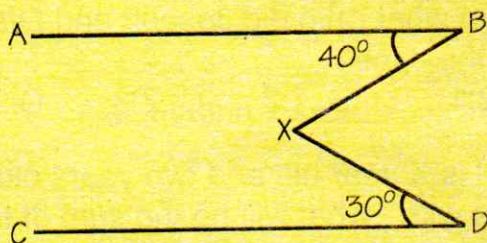
43. A shopkeeper made a profit of Sh. 21,000 from his trade. He spent $\frac{1}{3}$ of the money on food, $\frac{5}{7}$ of the remainder on school fees and saved the rest. How much did he save?
 A. Sh. 6000 B. Sh. 4000
 C. Sh. 14000 D. Sh. 15000

44. A ketch bought a T.V set for Kshs. 45000. She later sold it making a loss of 20%. For how much did she sell the T.V set?
 A. Ksh. 7600 B. Kshs. 9000
 C. Ksh. 36000 D. Ksh. 52400

45. The level of water in a school tank decreased by 20% daily. If the capacity of the tank was 1000 litres how much water was in the tank after 2 days
 A. 960 litres B. 800 litres
 C. 640 litres D. 600 litres

46. A train 200m long took 20 second to completely pass by a sign post. Calculate its speed in km/hr
 A. 5km/hr B. 10 km/hr
 C. 18km/hr D. 36km/hr

47. In the figure below line AB is parallel to line CD. Angle $ABX = 40^\circ$ and angle $CDX = 30^\circ$. What is the value of angle BCD ?



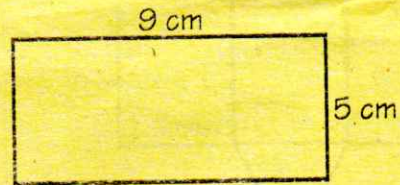
- A. 40°
 B. 110°
 C. 240°
 D. 290°

48. The table below shows the number of girls per school who were immunized against Cervical cancer in the month of January 2020. How many girls were immunized ?

No of schools	1	2	3	4	5	6
No of girls per school	20	50	10	15	40	15

- A. 480 B. 500 C. 90 D. 80

49. The diagram below represents a plot of land drawn to scale 1:10000. Calculate its area in hacters



- A. 0.45
 B. 4.5
 C. 45
 D. 450

50. Which shape can be used to fit in the blank box below ?

