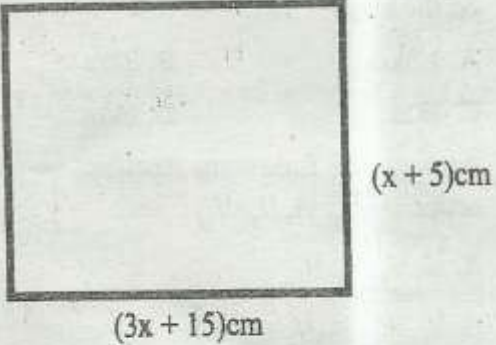
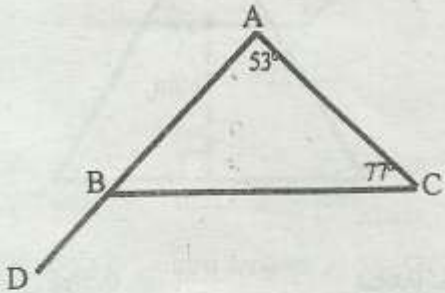


STD 8 END TERM 2 EXAM 2019

MATHEMATICS

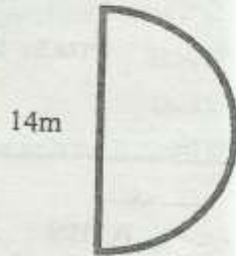
I. YOUR NAME _____

<p>1. Write eight hundred and eighty one thousand five hundred and eighty five in words. A. 808585 B. 818585 C. 881585 D. 881855</p> <p>2. Round off to the nearest hundredths 9.1462. A. 9.147 B. 9.15 C. 9.20 D. 9.25</p> <p>3. Work out;- 0.06×0.7 A. 0.42 B. 0.0042 C. 0.042 D. 4.2</p> <p>4. How many groups of hundreds are there in the total value of digit 4 in the number 4367? A. 4 B. 40 C. 400 D. 4000</p> <p>5. Work out;- $8 - 2\frac{1}{4} - 1\frac{1}{2}$ A. $3\frac{1}{4}$ B. $4\frac{1}{2}$ C. $4\frac{1}{4}$ D. $2\frac{1}{4}$</p> <p>6. What is the area of the figure below if the perimeter is 120cm?</p> <div style="text-align: center; margin: 10px 0;">  </div> <p>A. 1200cm^2 B. 675cm^2 C. 600cm^2 D. 30cm^2</p> <p>7. What is the next number in the series below?</p>	<p>28, 40, 56, 76, _____ A. 100 B. 120 C. 96 D. 88</p> <p>8. What is the place value of 6 in the number 61250? A. Hundreds B. Thousands C. Millions D. Tens of thousand</p> <p>9. Convert 19cm 8mm into millimetres. A. 198mm B. 200mm C. 195mm D. 205mm</p> <p>10. The figure below represents triangle ABC. Line ABD is a straight line.</p> <div style="text-align: center; margin: 10px 0;">  </div> <p>What is the size of angle CBD? A. 130° B. 120° C. 110° D. 105°</p> <p>11. Simplify;- $\frac{1}{2}(10x + 20) - \frac{1}{4}(12x - 8)$ A. $5x + 4$ B. $2x + 8$ C. $4x + 8$ D. $3x + 8$</p> <p>12. What is the GCD of 40, 55, 60? A. 10 B. 15 C. 5 D. 18</p> <p>13. What is the sum of all the edges, faces and</p>
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vertices of closed cuboid?

- A. 26
B. 20
C. 16
D. 18

14. The diagram below shows a semi circle. Yusuf ran round it four times. How many metres did he cover?



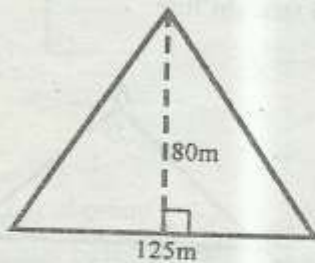
- A. 22m
B. 36m
C. 124m
D. 144m

15. Solve the equation.

$$\frac{1}{4}y = 30$$

- A. $7\frac{1}{2}$
B. 120
C. 130
D. 100

16. Find the area of the figure below in hectares.



- A. 0.6ha
B. 0.5ha
C. 5000ha
D. 50ha

17. A bus left Lodwar at 7p.m. and reached Kitale at 9.am. How long did it take?

- A. 14hrs
B. 13hrs
C. 15hrs
D. 10hrs

18. A box weighs 8kg. Tins of 800g each are packed into the box. The total weight of the box and tins is 24kg. How many tins are there in the box?

- A. 20 tins
B. 200 tins
C. 2000 tins
D. 400 tins

19. Kemboi bought the following from a shop:-

2kg rice @ Sh 100

4½kg meat @ Sh 400

2½kg of wheat flour @ Sh 150

He paid the bill using Sh 3000. What balance did he get?

- A. Sh 2375
B. Sh 375
C. Sh 625
D. Sh 515

20. A lady bought a dress at Sh 1000 and sold it at Sh 800. Calculate the percentage loss.

- A. 200%
B. 2%
C. 20%
D. 10%

21. A family uses ½kg of sugar daily. If 1kg of sugar is sold at Sh 100, how much money did they spend on sugar in the month of March?

- A. Sh 775
B. Sh 1550
C. Sh 955
D. Sh 1500

22. Find the value of $\sqrt{144} + 9^2$.

- A. 90
B. 93
C. 89
D. 79

23. What is the value of $\frac{3}{4}$ of $12 + 20$?

- A. 25
B. 26
C. 29
D. 30

24. The scale drawing of a road is 1:30000. What is the actual length of a road measuring 5cm on the map?

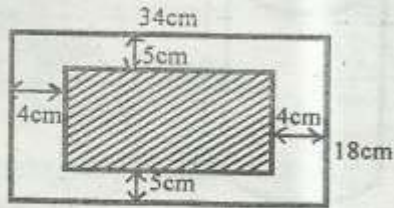
- A. 1.5km
B. 2km
C. 5km
D. 6km

25. Arrange the following fractions in ascending order. $\frac{1}{8}, \frac{1}{4}, \frac{1}{5}, \frac{1}{10}$

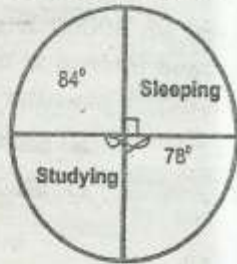
- A. $\frac{1}{4}, \frac{1}{5}, \frac{1}{8}, \frac{1}{10}$
B. $\frac{1}{10}, \frac{1}{5}, \frac{1}{4}, \frac{1}{8}$
C. $\frac{1}{4}, \frac{1}{8}, \frac{1}{5}, \frac{1}{10}$
D. $\frac{1}{10}, \frac{1}{8}, \frac{1}{5}, \frac{1}{4}$

26. What is the area of the unshaded part in the

figure below?



- A. 200cm^2 B. 404cm^2
 C. 50cm^2 D. 180cm^2
27. What is $\frac{8-3+5}{4+2}$?
- A. $1\frac{2}{3}$ B. $2\frac{1}{3}$
 C. $3\frac{1}{4}$ D. $5\frac{1}{5}$
28. The circle graph below shows time spent per activity in a day by a pupil



How many hours did he spend studying?

- A. $6\frac{1}{2}\text{hrs}$ B. $7\frac{1}{5}\text{hrs}$
 C. $4\frac{1}{3}\text{hrs}$ D. $8\frac{1}{2}\text{hrs}$
29. Construct triangle ABC such that $AC = AB = 6\text{cm}$ and angle $CAB = 60^\circ$. Measure line BC.
- A. 7cm B. 8cm
 C. 6cm D. 5cm
30. Calculate the speed in m/s of a car travelling at a speed of 90km/hr.
- A. 35m/s B. 25m/s
 C. 40m/s D. 15m/s
31. The marked price of a shirt was Sh 380. But during the sales the price was reduced to Sh 300. What was the percentage decrease?
- A. $14\frac{3}{7}\%$ B. $10\frac{1}{5}\%$
 C. $21\frac{1}{19}\%$ D. $14\frac{2}{7}\%$
32. What is the smallest number which can be divided by 18, 15 and 12?

- A. 60 B. 70
 C. 180 D. 190

33. In a class 60% of the pupils are girls. If 52 of the pupils are boys, how many pupils are there in the school?

- A. 79 B. 130
 C. 99 D. 92

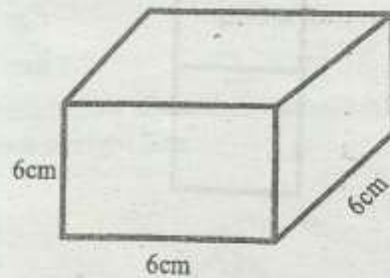
34. Work out; $\frac{2x-6}{4} - \frac{2x}{5} = 9$

- A. 110 B. 115
 C. 125 D. 105

35. What is the sum of the first four perfect squares between 1 and 26?

- A. 54 B. 55
 C. 56 D. 60

36. Find the surface area of the solid below



- A. 116cm^2 B. 226cm^2
 C. 296cm^2 D. 216cm^2

37. Kabuta bought a trouser at Sh 480 after being allowed a discount of 20%. What was the marked price?

- A. Sh 120 B. Sh 500
 C. Sh 300 D. Sh 600

38. Which of the following measurements will form a right angled triangle?

- A. 5cm, 16cm, 12cm
 B. 4cm, 14cm, 6cm
 C. 5cm, 12cm, 13cm
 D. 4cm, 9cm, 2cm

39. Construct triangle PQR in which $PR = 7\text{cm}$, angle $PQR = 35^\circ$ and angle $QRP = 50^\circ$. Draw a circle that touches the vertices. What is the

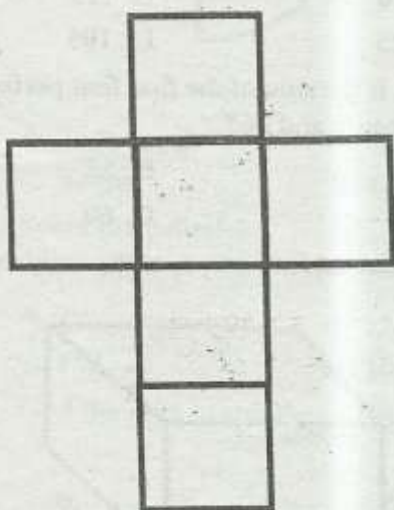
radius of the circle?

- A. 3.4cm B. 9.1cm
C. 7.2cm D. 5.3cm

40. The temperature of water was 11°C before heating. What was the rise in temperature of its new temperature was 37°C after heating?

- A. 36°C B. 27°C
C. 26°C D. 19°C

41. Which shape will be formed by the net below?



- A. Cube
B. Square based prism
C. Rectangular based prism
D. Triangular based prism

42. A cube container of length 18m is full of water. All the water was transferred to fill a cuboid whose base is 15m by 6m. What was the depth of the water in the cuboid?

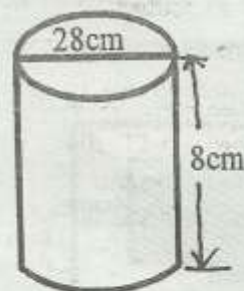
- A. 5832m^3 B. 65.9m
C. 64.8m D. 71.2m

43. A lorry loaded with 90kg bags weighs 9.5 tonnes. When empty. Its mass is 3.2 tonnes. How many bags are there?

- A. 7 bags B. 70 bags
C. 60 bags D. 56 bags

44. What is the volume of the solid below?

$\pi = 3.14$



- A. 2710cm^3 B. 8610cm^3
C. 4710cm^3 D. 4928cm^3

45. A cash price of a television set is Sh 15000. The hire purchase price is higher than the cash price by 20%. Wafulwa bought the solar panel on a hire purchase terms by paying a deposit of Sh 3000 and the rest in 12 equal monthly instalments. How much did he pay each month?

- A. Sh 2000 B. Sh 1500
C. Sh 1200 D. Sh 1250

46. David borrowed Sh 30000 from a bank that charged compound interest at the rate of 20% p.a. How much did he pay after 2 years?

- A. Sh 43000 B. Sh 41000
C. Sh 43200 D. Sh 38000

47. Work out:-

$\frac{2}{3} + \frac{3}{4}$ of $(\frac{5}{6} \div \frac{1}{6} - 3\frac{1}{2})$

- A. $1\frac{19}{25}$ B. $2\frac{19}{24}$
C. $1\frac{19}{24}$ D. $2\frac{3}{19}$

48. The ratio of boys to girls in a class is 5 : 3. If there are 60 girls, how many boys are in the class?

- A. 100 B. 120
C. 90 D. 95

49. What is the value of $\frac{0.7 \times 18.6}{0.042 \times 2.5}$

- A. 1.24 B. 12.4
C. 24.1 D. 124

50. What is the square root of $7\frac{1}{9}$?

- A. 8 B. 3
C. $2\frac{2}{3}$ D. $1\frac{2}{3}$

