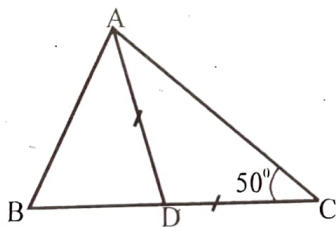
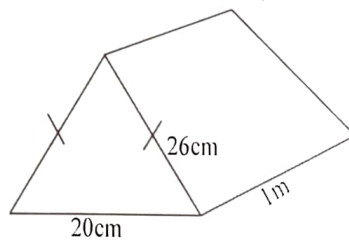


- What is 3232312.25 written in words?
 - Three million two hundred and thirty two thousand three hundred and twelve point two five.
 - Three million three hundred and thirty two thousand three hundred and twelve and twenty five thousandths.
 - Three million two hundred and thirty two thousand three hundred and twelve and twenty five hundredths.
 - Three million two hundred and thirty two thousand three hundred and twelve and twenty five thousandths.
- What is the value of;
 $18 \div 54 \times 27 + 10 \times 2 - 8 + 12$
 - 9
 - 33
 - 81
 - 105
- A plot of land measures 66m by 36m. What is its perimeter?
 - 202m
 - 264m
 - 212m
 - 204m
- Round off the value of $7 \div 13$ to the nearest hundredths.
 - 0.53
 - 0.55
 - 0.54
 - 0.58
- The hire purchase price of a sewing machine is sh.27000. Wandago paid a deposit and the rest in 15 equal monthly installments of sh. 1500 each. How much was the deposit?
 - Sh. 22500
 - Sh. 5500
 - Sh. 2250
 - Sh. 4500
- Which is the next number in the pattern?
 21, 24, 29, 36, _____
 - 45
 - 47
 - 43
 - 49
- In the figure below, AD is a bisector of angle BAC. Line AD = DC. What is the size of angle ABC?



- 40°
- 90°
- 50°
- 30°

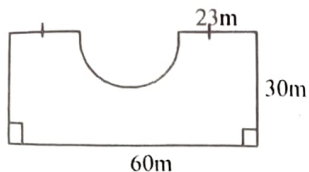
- Kawi is w years old. His son is 5 times younger while his daughter is 5 years younger than the son. What will be the sum of their ages in 5 years time?
 - $(\frac{2}{5}w + 10)$ years
 - $(\frac{1}{5}w - 10)$ years
 - $(\frac{2}{5}w + 15)$ years
 - $(\frac{1}{5}w + 20)$ years
- In a test marked out of 35, Onyango scored 40%. What was his raw mark?
 - 20
 - 14
 - 21
 - 15
- A path 400m long was planted with flowers on both sides at regular intervals of 5 metres. How many flowers were planted altogether?
 - 160
 - 80
 - 162
 - 81
- Which of the following numbers is not divisible by 11?
 - 77935
 - 89122
 - 529312
 - 55133
- Idris left Kakamenga for Nairobi at 7:45am. He took $4\frac{1}{2}$ hours to reach Naivasha where his car got a puncture. The puncture took him 45 minutes to repair before proceeding to Nairobi for another 1 hour 45 minutes. At what time did he reach Nairobi in 24 hour clock system?
 - 1400hr
 - 1415hr
 - 1445hr
 - 1545hr
- What is the capacity of the solid below in litres?



- 24L
- 48L
- 96L
- 120L

14. Which of the following numbers increases by hundredths?
 A. 0.1234, 0.2234, 0.3234, 0.4234
 B. 0.1234, 0.1334, 0.1434, 0.1534
 C. 0.1234, 0.1244, 0.1254, 0.1264
 D. 0.1234, 0.1235, 0.1236, 0.1237

15. The figure below represents Onchari's plot of land. It was fenced using 3 strands of wire. What was the total length of wire used?

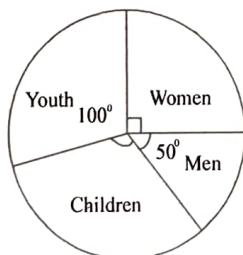


- A. 188m
 B. 240m
 C. 720m
 D. 564m
16. What is the value of x in;
 $\frac{4x-1}{3} - \frac{2x-2}{2} = 2$?
- A. 2
 B. 3
 C. 4
 D. 5

17. What is the value of;
 $\frac{1.14 \times 8.1 \times 25}{27 \times 3.8 \times 5}$
- A. 0.045
 B. 0.45
 C. 4.5
 D. 45

18. Magu sold a jacket for sh. 810 and made a loss of 10%. Kibet sold a similar jacket and made a profit of 10%. How much more did Kibet sell his jacket than Magu?
- A. Sh. 180
 B. Sh. 90
 C. Sh. 900
 D. Sh. 270

19. The pie chart below shows age distribution in a certain village.



If there are 12120 more women than men, how many children are there?

- A. 30300
 B. 14400
 C. 27800
 D. 36360
20. The table below shows the price of food in a hotel.

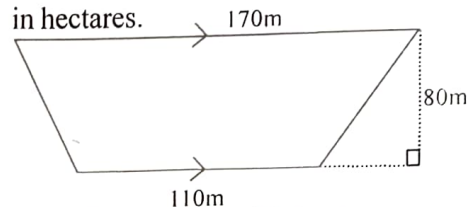
	beef stew	cabbage	fish	mutton
Chapati	70.00	50.00	90.00	120.00
Rice	90.00	80.00	100.00	130.00
Ugali	150.00	110.00	200.00	250.00
Kienyeji	180.00	130.00	230.00	300.00

5 men went to the hotel. 2 of them ate ugali and beef stew, one ate kienyeji and cabbage while the rest took ugali and mutton. How much money did they pay altogether?

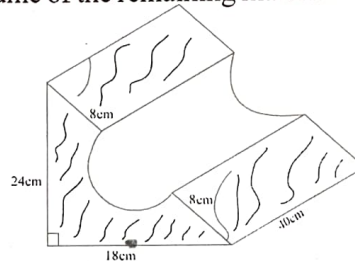
- A. Sh. 850
 B. Sh. 930
 C. Sh. 970
 D. Sh. 1150
21. Juma travelled from home to church at a speed of 12km/hr and back home through the same route at a speed of 9km/hr. He took a total of 1 hour 10 minutes. What distance did he cover altogether?

- A. 8km
 B. 6km
 C. 12km
 D. 18km
22. A rectangular shaped prism was open on one end. What was the sum of its faces and edges?
- A. 17
 B. 15
 C. 14
 D. 13

23. Calculate the area of the piece of land below in hectares.



- A. 1.12ha
 B. 11.2ha
 C. 112ha
 D. 11200ha
24. Construct triangle XYZ where $XY = 6\text{cm}$, $YZ = XZ = 6.5\text{cm}$. Draw a circle touching its vertices. Measure the radius.
- A. 1.4cm
 B. 2.8cm
 C. 3.6cm
 D. 7.2cm
25. The figure below represents a solid in which part of it has been removed. Calculate the volume of the remaining material.



- A. 8640cm³
 B. 6480cm³
 C. 6040cm³
 D. 5560cm³
26. The table below shows a section of a money order.

Value of order(sh)	Commission (sh)
upto 500	49
501- 1000	67
1001 - 2000	93
2001 - 5000	117
5001 - 10000	158
10001 - 20000	209
20001 - 30000	265

Kim sent two money orders, one worth sh. 12720 and another one for sh. 21700. How much did he pay at the post office?

- A. Sh. 34609
 B. Sh. 34894
 C. Sh. 34874
 D. Sh. 37280

27. Onsoti planted $\frac{1}{5}$ of his piece of land with beans, $\frac{1}{2}$ of the remainder with maize and the rest is divided equally into plots of homestead and pasture. If the area under pasture is $\frac{1}{2}$ hectare, how big is his piece of land?

- A. $2\frac{1}{2}$ ha B. 5ha
 C. 10ha D. 20ha

28. A farmer hired 12 men to dig a piece of land in 6 days. After working for two days, he hired 4 more men. How long did the work take to complete?

- A. 2 days B. 3 days
 C. 4 days D. 5 days.

29. The price of bread decreased by 20% and later increased by 50%. If the final price of bread is sh. 72, what was the original price?

- A. Sh. 54 B. Sh. 48
 C. Sh. 80 D. Sh. 60

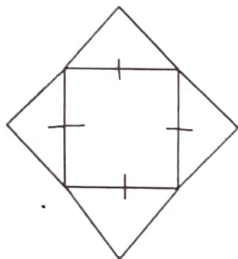
30. Which one of the following fractions is the largest?

- A. $\frac{3}{7}$ B. $\frac{4}{9}$
 C. $\frac{7}{15}$ D. $\frac{5}{11}$

31. A trader deposited some money in a bank that pay simple interest at the rate of $7\frac{1}{2}\%$ p.a. How much was in his account after $2\frac{1}{2}$ years if he had deposited sh. 40000?

- A. Sh. 15000 B. Sh. 47500
 C. Sh. 7500 D. Sh. 55000

32. The net below was folded to form a solid.



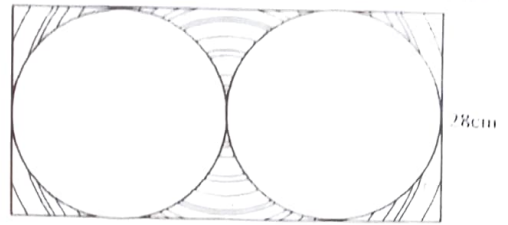
What solid did the net form?

- A. Square pyramid - B. Square prism
 C. Triangular pyramid D. Triangular prism.

33. Convert 0.7% into a decimal.

- A. 0.07 B. 0.70
 C. 0.007 D. 7.0

34. The figure below shows how a jua kali artisan cut two sufuria lids from a sheet of metal.



What area of the metal sheet was wasted?

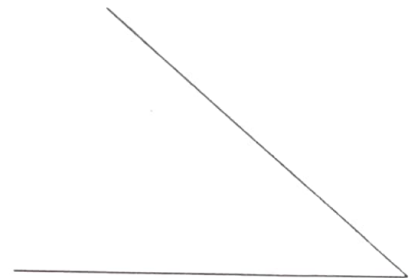
- A. 2464cm² B. 1568cm²
 C. 1232cm² D. 336cm²

35. Simplify;

$$\frac{5}{7}(21x + 14y) + \frac{4}{9}(9x - 9y)$$

- A. 19x + 14y B. 19x + 6y
 C. 19x - 14y D. 19x - 6y

36. Below is a section of a rhombus. Complete the rhombus and measure the longer diagonal.



- A. 10.7cm B. 9cm
 C. 4cm D. 12.8cm

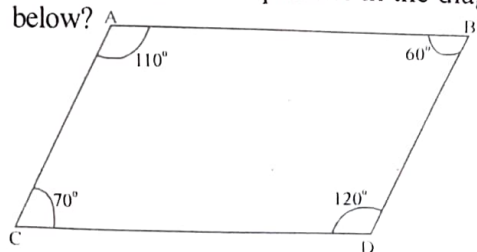
37. The ratio of cows to sheep in a farm is 4:5. The ratio of sheep to goats in the farm is 5:3. How many animals are in the farm if there are 9 goats?

- A. 60 B. 48
 C. 36 D. 24

38. The mass of an egg is approximately 60g. 30 such eggs were packed in a tray. 450 such trays were loaded onto a pick-up whose mass is 1.09 tonnes. What is the mass of the loaded pick-up?

- A. 2.1tonnes B. 1.9tonnes
 C. 0.81tonnes D. 2.4tonnes

39. Which two lines are parallel in the diagram below?



- A. AB and CD B. AC and BD
 C. AB and BD D. AC and AB

40. Alice earns a basic salary of Sh. 10800 and a commission of 2% on all goods sold above sh. 50000. In one month, she earned a total of sh. 12000. What was the value of goods sold that month?

A. Sh. 160000 B. Sh. 100000
C. Sh. 60000 D. Sh. 110000

41. A class has 9 girls and 6 boys. The mean mass of the girls is 36kg while the mean mass of the boys is 21kg. What is the mean mass of all the pupils in the class?

A. 27kg B. 32kg
C. 30kg D. 28kg

42. What is the value of;

$$\frac{1}{3} \text{ of } \frac{3}{5} \div \frac{1}{4} \times \frac{1}{2} \text{ of } \frac{4}{9}$$

A. $3\frac{3}{5}$ B. $\frac{8}{45}$

C. $1\frac{1}{3}$ D. $2\frac{2}{9}$

43. A drum was $\frac{3}{4}$ full. After 40 litres were added,

it became $\frac{4}{5}$ full. What is the capacity of the drum in litres?

A. 100litres B. 200litres
c. 400litres D. 800litres

44. Theuri had 160 cows. During a famine, he reduced his herd by 40 cows. What was the ratio decrease in his herd?

A. 3:4 B. 4:3
C. 1:4 D. 4:1

45. Calculate the surface area of a straw whose diameter is 3.5cm and a length of 1 metre.

A. 12925cm² B. 1100cm²
C. 2200 cm² D. 3080cm²

46. A motorist covered 24km in 20minutes. What was his speed in m/s?

A. 20m/s B. 15m/s
C. 10m/s D. 25m/s

47. Ali bought the following items from a shop.

- 4kg of rice @ sh. 75

- $1\frac{1}{2}$ litres of milk @ sh. 60 per litre

- 2 loaves of bread for sh. 110

- $\frac{1}{2}$ kg sugar @ sh. 130 per kg

He paid using 2 - sh. 500 notes. How much balance did he get?

A. Sh. 565 B. Sh. 365
C. Sh. 435 D. Sh. 455

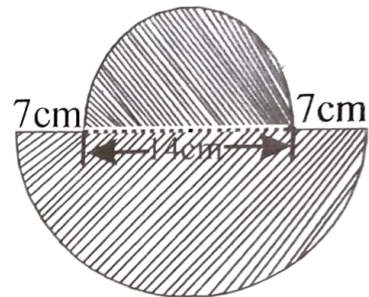
48. If $a = 3$, $b = 4$ and $c = 5$, what is half the value of;

$$\frac{a^2(b+c) + c}{c-a}$$

A. 19 B. $21\frac{1}{2}$

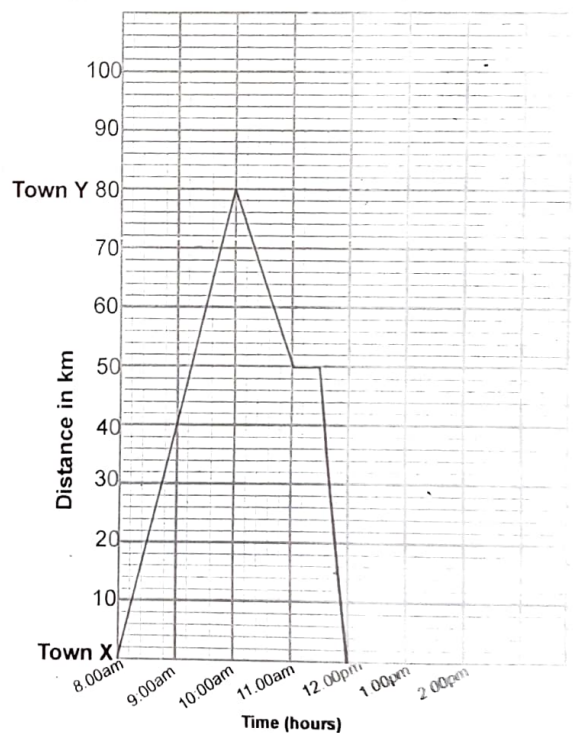
C. 43 D. 86

49. Calculate the area of the figure below.



A. 410cm² B. 308cm²
C. 385cm² D. 616cm²

50. The graph below shows Murunga's journey from town X to Y and back.



What was the average speed for his return journey?

A. 50km/hr B. 100km/hr
C. 85km/hr D. 40km/hr