

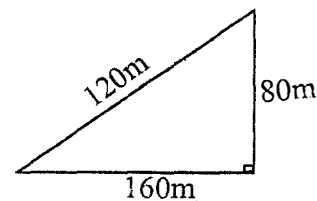
STD. 7 - END OF TERM 1 - YEAR 2020

MATHEMATICS

Time: 2hrs

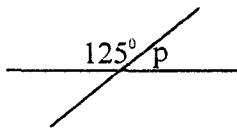
- Write 16050300 in words
A. Sixteen million fifty thousand and three hundred
B. Sixty million fifteen thousand three hundred
C. Sixteen million five thousand three hundred
D. One million five thousand three hundred
- What is the smallest number that can be subtracted from 30548 to make it be divisible by 11?
A. 4
B. 3
C. 1
D. 2
- What is the next number in the pattern below? 16, 27, 40, 57, 76 _____
A. 80
B. 97
C. 99
D. 100
- What is the place value of digit 7 in the difference of 1210 and 0.963?
A. Ones
B. Tenth
C. Thousandths
D. Hundredths
- A school collected sh 1600 000 million from the parents' fund. 20% of the money was spent on paying wages and the rest on construction. How much was spent on construction?
A. sh 320000
B. sh 1280000
C. sh 400000
D. sh 1200000
- A square has an area of $21\frac{4}{25}m^2$. Find its perimeter
A. $4\frac{3}{5}m$
B. $10\frac{2}{5}m$
C. $84\frac{16}{25}m$
D. $18\frac{2}{5}m$
- Work out**
 $1\frac{3}{5} - 2\frac{1}{4} + 3\frac{5}{8} =$
A. $2\frac{39}{40}$
B. $2\frac{9}{40}$
C. $3\frac{3}{40}$
D. $2\frac{3}{40}$
- Jane paid sh 4800 for a bicycle after receiving a 20% discount. What was the marked price?
A. sh 6000
B. sh 4500

- sh 3840
D. sh 5760
- Forty pupils received $\frac{3}{4}$ litres of milk each. What was the total amount of milk give to them?
A. 30L
B. 120L
C. 90L
D. 36L
- Find the area of this triangle in ares?



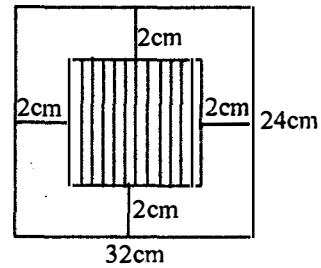
- 128 ares
B. 96 ares
C. 6400ares
D. 64 ares
- Convert $25\frac{1}{4}\%$ into a decimal
A. 25.14
B. 25.25
C. 25.4
D. 25.15
- Omondi bought a phone on hire purchase terms by paying a deposit of sh 4000 and fifteen equal monthly instalments of sh 700 each. How much was the phone?
A. sh 14500
B. sh 4700
C. sh 10500
D. s 12500
- Find the value of $\frac{3.6 \times 0.021}{4.2}$
A. 18
B. 0.18
C. 0.018
D. 1.8
- A family consumes 5 decilitres of milk daily. How much milk in litres did the family consume in the month of January 2020?
A. 14L
B. $14\frac{1}{2}L$
C. 15L
D. $15\frac{1}{2}L$
- A map is drawn using the scale 1:200000. Calculate the actual length of a river that measures 4.5cm on the map in kilometres
A. 90km
B. 0.9km
C. 9km
D. 900km

16. Find the surface of a closed cylinder whose diameter is 14cm and has a height of 10cm. ($\pi = \frac{22}{7}$)
 A. 748cm² B. 594cm²
 C. 3080cm² D. 440cm²
17. What is the total value of digit 7 in 0.657?
 A. seven thousandths B. seven tenths
 C. 0.07 D. 0.7
18. A square plot whose area is 32.49km², was fenced using four strands of wire. Calculate the total length of the wire
 A. 5.7km B. 22.8km
 C. 91.2km D. 64.98km
19. A lady's salary of sh 13500 was increased by 40%. How much does the lady earn now?
 A. sh 17000 B. sh 16400
 C. sh 18900 D. sh 13540
20. Find the size of the angle marked P

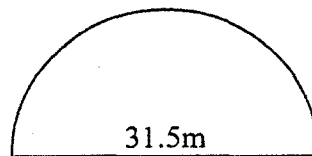


- A. 1250 B. 750
 C. 650 D. 550
21. **Work out**
 $10\frac{2}{7} \div \frac{9}{14} =$
 A. $\frac{1}{16}$ B. $\frac{9}{16}$
 C. 16 D. 14
22. The fractions $\frac{2}{3}$, $\frac{1}{2}$, $\frac{7}{8}$, and $\frac{3}{5}$ are to be arranged in ascending order. Which of the following is the **correct** order?
 A. $\frac{7}{8}$, $\frac{3}{5}$, $\frac{2}{3}$, $\frac{1}{2}$ B. $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{5}$, $\frac{7}{8}$
 C. $\frac{7}{8}$, $\frac{2}{3}$, $\frac{3}{5}$, $\frac{1}{2}$ D. $\frac{1}{2}$, $\frac{3}{5}$, $\frac{7}{8}$, $\frac{2}{3}$
23. A man spent $\frac{2}{5}$ of his salary on food, $\frac{1}{4}$ on clothing $\frac{1}{6}$ on other expenses and saved the rest. What fraction of his salary did he save?
 A. $\frac{11}{60}$ B. $\frac{49}{60}$
 C. $\frac{1}{60}$ D. $\frac{11}{49}$

24. What is the area of the shaded part in the diagram below?

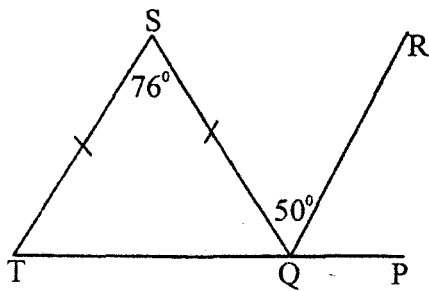


- A. 768cm² B. 640cm²
 C. 560cm² D. 540cm²
25. What is the value of y in the equation $5(y-3) = 20$?
 A. 7 B. 1
 C. 4 D. 8
26. Three bells rang at intervals of 12 minutes, 20 minutes and 30 minutes. If they rang altogether at 11.50 am, at what time will they ring together again?
 A. 12.50 a.m B. 1200 a.m
 C. 12.52 p.m D. 12.50 p.m
27. What is the supplementary angle of $42\frac{1}{2}^\circ$?
 A. $57\frac{1}{2}^\circ$ B. $137\frac{1}{2}^\circ$
 C. $138\frac{1}{2}^\circ$ D. $47\frac{1}{2}^\circ$
28. Find the perimeter of the figure shown below ($\pi = \frac{22}{7}$)



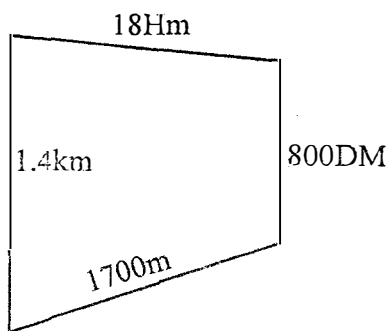
- A. 49.5m B. 80m
 C. 81.0m D. 130.5m
29. The charges for sending a telegram is sh 14 for the first ten words or less and sh 1.50 for every extra word. Find the cost of sending the following telegram.
 JERUSHA BOX 12 KAGUNDO
 GRANDMOTHER COMING TO VISIT
 US OVER AUGUST HOLIDAY PLEASE
 AVAIL YOURSELF.
 A. sh 21.50 B. sh 17.50
 C. sh. 15.00 D. sh. 15.10

30. Find the size of angle PQR in the figure below



- A. 102° B. 52°
C. 78° D. 76°

31. The diagram below represents a school field. What is its perimeter in km?



- A. 12.9 B. 4.98
C. 57 D. 570

32. Construct a triangle ABC in which $AB=5\text{cm}$, $BC=6.5\text{cm}$ and $\text{angle } ABC=50^\circ$. Measure line AC

- A. 5.8cm B. 3.5cm
C. 5cm D. 6.2cm

33. Nekesa is 4 years older than her sister. What will be the sum of their ages in five years time if her sister is x years old?

- A. $2x + 4$ B. $2x + 9$
C. $2x + 14$ D. $3x + 14$

34. Mwajuma deposited sh 24000 in a bank which paid a simple interest of 12%. How much money did he withdraw at the end of $2\frac{1}{2}$ years?

- A. sh 7200 B. sh 5760
C. sh 29760 D. sh 31200

35. What is 68.147 rounded off to the nearest tenths?

- A. 68.15 B. 68.1
C. 68.2 D. 68.7

36. Work out

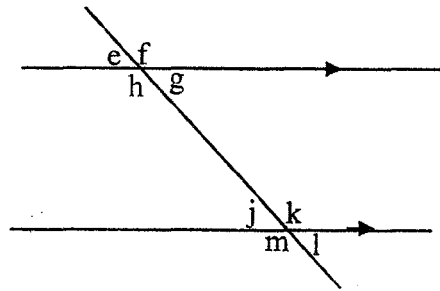
$$\frac{1}{2} \text{ of } 1\frac{8}{9} \times 5\frac{3}{4} =$$

- A. $6\frac{31}{72}$ B. $6\frac{1}{6}$
C. $5\frac{17}{16}$ D. $5\frac{31}{72}$

37. A rectangular field measures 450 metres by 280 metres. Find its area in hectares

- A. 1.26 ha B. 0.126 ha
C. 12.6 ha D. 126 ha

38. Which of the following angles are alternate?



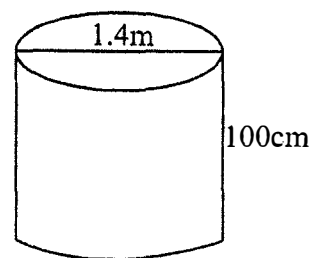
- A. e, h
B. g, m
C. m, e
D. f, k

39. A saleslady was given 3% commission on all goods sold. In the month of June, she made an average daily sale of sh 7500.

How much did she receive that month?

- A. sh 6750 B. sh 13250
C. sh 8250 D. sh 14250

40. Find the volume of the cylindrical container shown below ($\pi = \frac{22}{7}$)



- A. 1.54m^3
B. 15.4m^3
C. 61.6m^3
D. 6.16m^3

41. A bale of cotton weighs 576kg. How many bales can be made from 115200kg?

- A. 200 B. 2006
C. 2060 D. 26

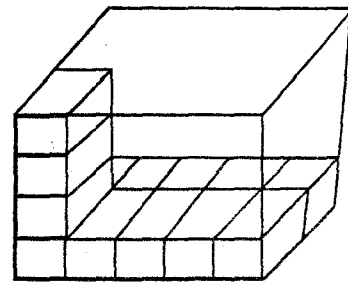
42. The table below shows marks scored by four girls in a Maths test.

	Marks	Out of
Jane	30	40
Mary	25	50
Angela	10	20
Lucy	42	60

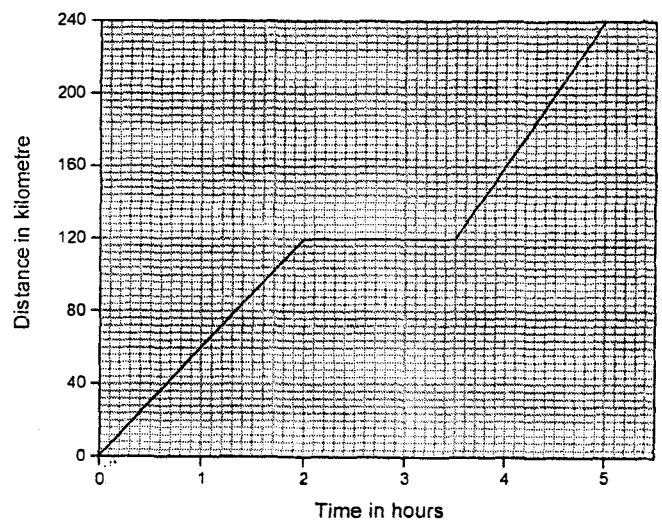
Who got the highest in percentage?

- A. Jane
B. Angela
C. Lucy
D. Mary
43. Write 30.45 in words
A. Thirty and forty five tenths
B. Three zero point four five
C. Thirty and forty five hundredths
D. Three thousandths and forty five
44. A 1km entrance road to the school was fenced on both sides using posts at a spacing of 20 metres. How many posts were used?
A. 50
B. 100
C. 102
D. 101
45. The average mass of seven boys is 46.8kg. Six boys weighed as follows 50kg, 42.3kg, 44kg, 48kg, 40.2kg and 53.1kg. Calculate the mass of the seventh boy.
A. 50kg
B. 48.3kg
C. 49kg
D. 52kg
46. Karanja drank 0.4 of the milk, his mother had bought. What fraction of the milk remained?
A. $\frac{2}{5}$
B. $\frac{3}{5}$
C. $\frac{1}{5}$
D. $\frac{1}{2}$
47. A lady purchased the following items from a shop:
 $\frac{1}{4}$ kg of salt @ sh 60 per kg
 $3\frac{1}{2}$ kg of sugar @ sh 150 per kg
4 loaves of bread @ sh 48.50
She gave the shopkeeper a sh 1000 note. How much balance was she given
A. sh 266
B. sh 366
C. sh 218.50
D. s 741.50

48. How many more cubes are required to fill the stack below?



- A. 20
B. 40
C. 27
D. 16
49. A trader sold an article for sh 960, making a 20% profit. What was the buying price of the article?
A. sh 940
B. sh 1152
C. sh 800
D. sh 768
50. The graph below shows a motorist's journey.



Calculate his average speed for the whole journey.

- A. 48km/h
B. 40km/h
C. 60km/h
D. 80km/h