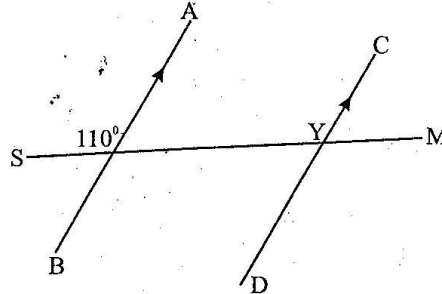


**CLASS 7 MID TERM 3 DECEMBER 2021
MATHEMATICS**

1. What is six million six hundred and six thousand and six in symbols?
A. 6606066 B. 60606006
C. 6606006 D. 6066006
2. What is the place value of digit 8 in 45789?
A. Tens B. Hundreds
C. Thousands D. Tenths
3. Round off 999.8871 to the nearest hundredths
A. 999.880 B. 1000
C. 999.89 D. 999.88
4. What is $\sqrt{225} + 25^2$?
A. 640 B. 610
C. 650 D. 20
5. Find the sum of the G.C.D. and L.C.M. of 12, 18 and 24.
A. 60 B. 72
C. 78 D. 54
6. How many thousands are there in the value of digit 3 in the number 349060?
A. 30000 B. 3000
C. 30 D. 300
7. What is the value of $1\frac{1}{4} - \frac{2}{3}$ of $(\frac{3}{8} + 1\frac{1}{2})$?
A. $1\frac{1}{12}$ B. $1\frac{11}{12}$
C. $\frac{7}{48}$ D. 0
8. How many days were there between 6th January and 15th March 2020?
A. 67 B. 69
C. 70 D. 68

9. In the figure below line AB is parallel to line CD and line SM is a transversal.

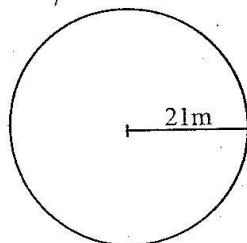


- What is the size of angle Y?
- A. 70° B. 110°
 - C. 60° D. 105°
10. What is $12\frac{1}{2}\%$ as a fraction in the simplest form?
A. $12\frac{1}{12}$ B. $\frac{1}{8}$
C. $\frac{25}{100}$ D. $\frac{25}{200}$
 11. What is the value of s and t in the magic square below?

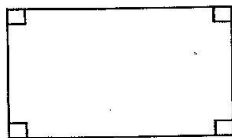
s	6	11
	10	t
9		

- s t
- A. 12 13
 - B. 30 13
 - C. 13 12
 - D. 13 30
12. Wambua scored the following marks in all his five subjects: 74, 72, 64, 58, 72. What was his mean mark?
A. 340 B. 68
C. 66 D. 72

13. The perimeter of a rectangular field is 28m. If one side of the rectangle is 8m, what is the area of the field?
 A. $48m^2$ B. $96m^2$
 C. $72m^2$ D. $28m^2$
14. Jessica bought a watch at shs. 2500. She sold it for shs. 3525. What was her percentage profit?
 A. 21% B. 29%
 C. 51% D. 41%
15. Wamani went round the circular field below twice. What distance did she cover?
 (Take $\pi = \frac{22}{7}$)

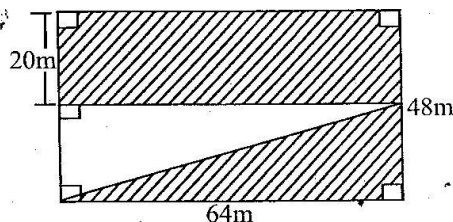


- A. 132m B. 432m
 C. 66m D. 264m
16. What is the smallest number that can be formed using the digits. 2, 3, 8, 5, 0?
 A. 02358 B. 20358
 C. 20583 D. 85320
17. What is the sum of all the prime numbers between 50 and 60?
 A. 169 B. 226
 C. 112 D. 275
18. Work out $\frac{0.96 \times 8.4}{1.2 \times 2.4}$
 A. 2.8 B. 280
 C. 0.96 D. 0.28
19. Find the compliment of 26° .
 A. 154° B. 64°
 C. 126° D. 164°
20. Which statement is false about the figure below?

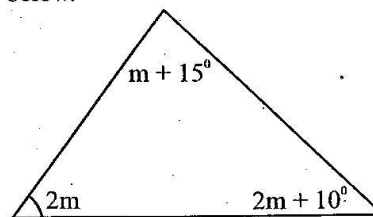


- A. Opposite sides are equal.
 B. Diagonals are equal.
 C. Diagonals meet at right angle.
 D. It has two pairs of parallel lines.

21. Mohammed is t years old. His sister is two years older. What will be the sum of their ages in 2 years time?
 A. $2t+2$ B. $2t+6$
 C. $2t+4$ D. $2t+8$
22. Simplify the expression below.
 $4(2m+n)+2(m-n)$
 A. $10m+6n$ B. $10m-6n$
 C. $10m+2n$ D. $10m-2n$
23. Find the area of the unshaded part.



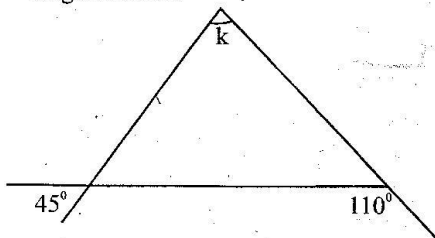
- A. $1535m^2$ B. $768m^2$
 C. $2464m^2$ D. $896m^2$
24. Mutahi left home at 2045hrs and came back after 4 hours 20mins. At what time did he come back in 12 hours clock system?
 A. 2505hrs B. 1.05a.m.
 C. 1.05p.m. D. 2.05a.m.
25. Work out: $8m - 6 < 2m + 12$
 A. $m < 3$ B. $m > 3$
 C. $m < 2$ D. $m > 2$
26. Find the size of the largest angle in the figure below.



- A. 72° B. 62°
 C. 31° D. 46°
27. Wanyama bought sugar weighing 36kg. He packed only 16kg into $\frac{1}{4}$ packets and the rest into $\frac{1}{2}$ kg packets. How many packets did he obtain?
 A. 104 B. 144
 C. 96 D. 14

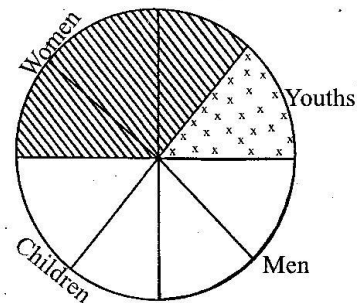
28. Work out: $5 \sqrt{16\text{km } 120\text{m } 80\text{cm}}$
 A. 3km 24m 16cm B. 3km 22m 00cm
 C. 3km 224m 16cm D. 3km 22m 15cm
29. Yumina travelled a distance of 180km by a matatu. If this was 30% of the journey, how long was her journey?
 A. 540km B. 720km
 C. 600km D. 420km
30. Which number do I multiply 10.387 with to make it 1038.7?
 A. 10 B. 1000
 C. 100 D. 10000
31. What is 36072 divide by 9?
 A. 4008 B. 48
 C. 408 D. 40008

32. Find the value of angle marked K in the diagram below.



- A. 70° B. 80°
 C. 155° D. 65°
33. Mwariama's home is $3\frac{1}{2}$ km from her school. If she goes to school and comes back in the evening what distance does she cover in a week?
 A. 7km B. 35km
 C. 49km D. 28km
34. What is the value of $\frac{p^2 + r + t}{p + t}$ when $p=2$, $r=3$ and $t=4$?
 A. $\frac{9}{24}$ B. $\frac{11}{24}$
 C. $2\frac{1}{4}$ D. $1\frac{5}{6}$
35. Three bells ring at intervals of 10 minutes, 25 minutes and 40 minutes respectively. If they rung together at 7.30a.m., at what time will they ring together again?
 A. 10.50a.m. B. 8.15a.m.
 C. 8.45a.m. D. 11.10a.m.

36. Work out: $160 - 6 \times 20 + 80 \div 16$
 A. 4.5 B. 45
 C. 197.5 D. 35
37. What is $\frac{1}{7}$ correct to 3 decimal places?
 A. 0.142 B. 0.143
 C. 0.1429 D. 0.140
38. Increase 2000kg by 20%.
 A. 2200kg B. 1600kg
 C. 2400kg D. 2650kg
39. Work out: $9 - 3\frac{1}{3}$
 A. $6\frac{1}{3}$ B. $6\frac{2}{3}$
 C. $5\frac{1}{3}$ D. $5\frac{2}{3}$
40. Construct a triangle XYZ such that side $YZ=6.8\text{cm}$, angle $YZX=55^\circ$ and $YXZ=40^\circ$. What is the length of side XZ?
 A. 10.7cm B. 11.0cm
 C. 9.1cm D. 7.3cm
41. The pie chart below represents the population of 4800 people in a location.



How many more women than youths are in the location?

- A. 600 B. 1200
 C. 1800 D. 2400
42. A wheel has a radius of 35cm. How many kilometres will it cover after making 4000 rotations?
 A. 8.8km B. 88km
 C. 880km D. 0.88km

43. Mwanja bought the following items:
 3 packets of maize flour at shs. 90 each.
 2kg of beans for shs. 170.00
 1 $\frac{1}{2}$ kg of onions @ shs. 40.00
 2 packets of milk @ shs. 34.00
 If he paid with shs. 800, how much money was he given as balance?

- A. shs. 62 B. shs. 232
 C. shs. 466 D. shs. 568

44. The table below shows the charges for sending money by use of money orders.

Value of order	Commission
Upto 500	shs. 89.00
501 - 1000	shs. 144.00
1001 - 2500	shs. 195.00
2501 - 5000	shs. 265.00
5001 - 10000	shs. 420.00
10001 - 15000	shs. 490.00

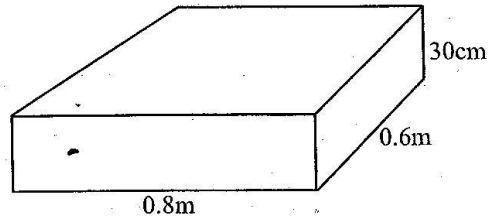
Karuru sent two money orders. One to his daughter worth shs. 10,500 and another to his son worth shs. 4700. How much did he pay altogether as the commission?

- A. shs. 15955 B. shs. 755
 C. shs. 685 D. shs. 15885
45. The area of a square mat is $5\frac{1}{16}m^2$. What is its perimeter?
 A. $2\frac{1}{4}m$ B. $9\frac{1}{4}m$
 C. $4\frac{1}{2}m$ D. 9m

46. What is the next number in the pattern
 5, 7, 10, 15, 22, _____?
 A. 33 B. 29
 C. 31 D. 35

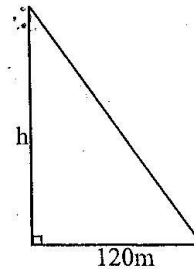
47. What is the smallest number that can be added to 89157 to make it divisible by 11?
 A. 2 B. 5
 C. 3 D. 9

48. The figure below is a cuboid.



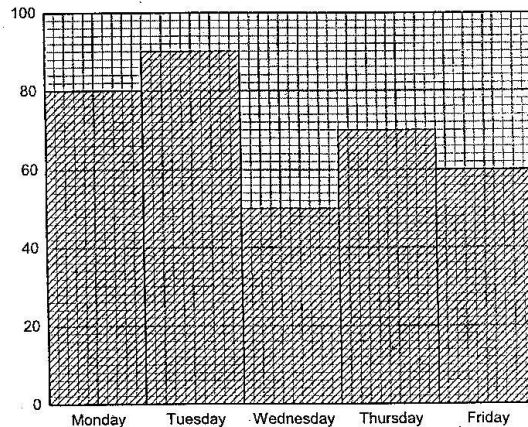
Find half its volume in cubic centimetres.

- A. 144000cm³ B. 7200cm³
 C. 14.4cm³ D. 72000cm³
49. The area of a right angled triangle below is 48 ares.



If the base is 120m, find the length of the height.

- A. 48m B. 40m
 C. 80m D. 60m
50. The graph below shows the number of books sold in a bookshop every day in a week.



How many more books were sold on Tuesday than on Friday?

- A. 90 B. 95
 C. 60 D. 30