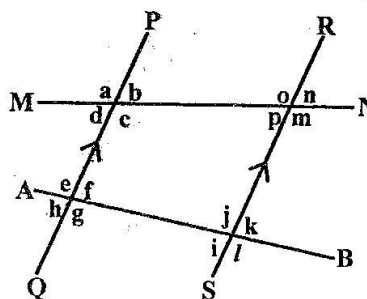
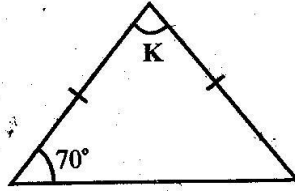


CLASS 7 END TERM 1 AUGUST 2021 MATHEMATICS

1. What is nineteen million, ninety one thousand, nine hundred and nineteen in numerals?
A. 19 019 919 B. 19 901 919
C. 19 091 919 D. 91 019 919
2. Round off 56 893 to the nearest thousand.
A. 57 000 B. 60 000
C. 56 900 D. 56 000
3. What is the place value of digit 0 in the product of 59 and 85?
A. Thousands
B. Hundreds
C. Tens
D. Ones
4. What is the total value of digit 6 in the sum of 648 932 and 127 893?
A. 600 B. 600 000
C. 60 000 D. 6 000
5. What is the missing digit in the numbers 857□72 to make it divisible by 11?
A. 6 B. 5
C. 4 D. 3
6. The area of a square plot of land is 5.76 Ares. Find the length of one side of the plot.
A. 24 m B. 240 m
C. 2.4 m D. 0.24 m
7. In a school, three bells are set to ring at different intervals of 18 minutes, 24 minutes and 30 minutes respectively. If they are rung together now, after how many hours will they ring together next?
A. 10 hours B. 8 hours
C. 5 hours D. 6 hours
8. In Mau forest, 18 880 tree seedlings were planted in 118 rows. How many tree seedlings were planted in each row?
A. 180 B. 160
C. 210 D. 240
9. What is the value of:
 $58 + 22 \times 32 \div 4$ of $2 - 43(15 - 12)$?
A. 81 B. 34
C. 17 D. 9
10. What is the next number in the series below?
4, 9, 25, 49, 121, _____
A. 361 B. 289
C. 169 D. 529
11. How many $\frac{3}{4}$ hour lessons are there in 9 hours?
A. 15 B. 7
C. $6\frac{3}{4}$ D. 12
12. What is the Greatest Common Divisor (GCD) of the numbers 57, 76, and 95?
A. 22 B. 19
C. 13 D. 17
13. A square table measures $2\frac{1}{4}$ meters on its length. Calculate the area of the table.
A. $1\frac{1}{2} \text{ m}^2$ B. 9 m^2
C. $5\frac{1}{16} \text{ m}^2$ D. $3\frac{1}{8} \text{ m}^2$
14. What is the value of:
 $1\frac{2}{5} \times 2\frac{1}{2} \div 3\frac{1}{2} + 1\frac{1}{2}$ of $\frac{1}{3}$?
A. $1\frac{1}{5}$ B. $1\frac{1}{16}$
C. $1\frac{1}{4}$ D. $1\frac{1}{2}$
15. In the diagram below, line PQ is parallel to RS. Line MN and AB are transversal lines.

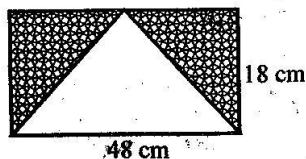


- Which of the following statements is true?
 A. Angle $c + \text{angle } p = 180^\circ$ (co-terior angles)
 B. Angle $d = \text{angle } f$ (alternate angles)
 C. Angle $n = \text{angle } k$ (corresponding angles)
 D. Angle $b = \text{angle } g$ (vertically opposite angles)
16. Which one of the following is not a property of a rhombus?
 A. All sides are equal.
 B. Opposite sides are parallel to one another.
 C. Diagonals bisect the rhombus into four right angled triangles.
 D. Diagonals are equal and bisect each other at right angles.
17. Simplify:
 $\frac{1}{4}(24x - 16y) + \frac{1}{5}(27x - 9y)$
 A. $36x + 18y$
 B. $36x - 18y$
 C. $36x - 6y$
 D. $36x + 6y$
18. What is the value of:
 $5(2a + 3b) - 4c$ when $a = 5$, $b = 3$ and $c = 1$?
 A. 70
 B. 85
 C. 91
 D. 105
19. The length of a rectangle is $2(y + 8)$ cm and the width is half its length. What is the perimeter of the rectangle?
 A. $(6y + 48)$ cm
 B. $(6y + 96)$ cm
 C. $(6y + 32)$ cm
 D. $(6y + 16)$ cm
20. Jeruto is x years old. She is six times as old as her sister. The sum of their ages is 42 years. How old is Jeruto?
 A. 7 years
 B. 28 years
 C. 48 years
 D. 36 years
21. Construct triangle PQR in which line $PQ = PR = 7$ cm and angle $RPQ = 70^\circ$. Draw a circle that touches points P, Q and R. Measure the radius.
 A. 2.2 cm B. 4.3 cm
 C. 5.6 cm D. 1.6 cm
22. In a right angled triangle, the two shorter sides are 4 cm and 7.5 cm. What is the length of the longest side?
 A. 8.5 cm B. 10.5 cm
 C. 9.5 cm D. 11.5 cm
23. What is the size of the angle marked K in the triangle drawn below?
- 
- A. 70° B. 55°
 C. 40° D. 45°
24. Which one is the possible size of letter y in the equation: $10y - 6 < 5y + 14$?
 A. 8 B. 3
 C. 16 D. 10
25. Which one of the following figures has one pair of parallel lines?
 A. Rhombus
 B. Square
 C. Parallelogram
 D. Trapezium
26. What is the place value of digit 2 in the product of 5.8 and 1.43?
 A. Ones
 B. Tenths
 C. Hundredths
 D. Thousandths
27. What is the sum of:
 $5.8432 + 300.24 + 0.056 + 23$?
 A. 319.6122
 B. 308.1422
 C. 329.1392
 D. 392.3192
28. Which one of the following statements is true?
 A. $\frac{3}{8}$ is equal to 0.35
 B. 0.35 is greater than $\frac{3}{8}$
 C. $\frac{3}{8}$ is less than 0.35
 D. $\frac{3}{8}$ is greater than 0.35

29. Otiemo uses 20% of his salary on transport, 40% on rent and 10% on food. He saves the rest. If he saves sh. 6 000, how much does he earn?
 A. Sh. 20 000 B. Sh. 15 000
 C. Sh. 30 000 D. Sh. 25 000

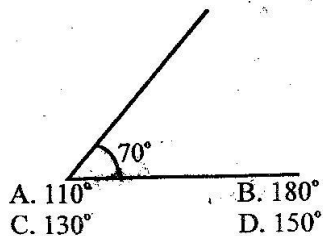
30. What is the circumference of a motorcycle wheel whose radius is 42 cm?
 A. 132 cm B. 616 cm
 C. 5 544 cm D. 264 cm

31. What is the area of the shaded region in the figure below?



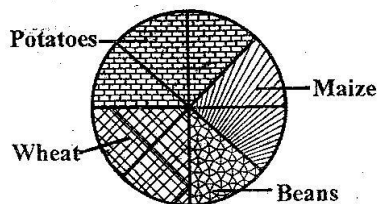
- A. 864 cm² B. 432 cm²
 C. 216 cm² D. 108 cm²

32. What is the sum of the complement and supplement of the angle drawn below?



- A. 110° B. 180°
 C. 130° D. 150°
33. Sangale left Mombasa at 8.30 pm and took 8 hours 45 min to reach Nairobi. At what time did he arrive in Nairobi?
 A. 5.15 am B. 4.15 am
 C. 6.15 am D. 3.15 am

34. The circle below shows Ole Muniyaka's 48 hectares of land.



- What area did he use for potatoes?
 A. 24 ha B. 30 ha
 C. 12 ha D. 18 ha

35. Below is a bus timetable from town A to F.

Town	Arrival time	Departure time
A		8.00 am
B	10.30 am	11.00 am
C	12.15 pm	12.30 pm
D	1.10 pm	1.25 pm
E	2.15 pm	2.20 pm
F	2.50 pm	3:00 pm

How long did the bus take to travel from town B to town E?

- A. 2 hrs 45 minutes
 B. 3 hrs 15 minutes
 C. 3 hrs 45 minutes
 D. 3 hrs 20 minutes

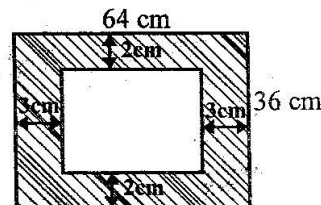
36. Mungasi's plot of land is rectangular in shape. The length is 220 m and the width is 150 m. Calculate the area of the plot in hectares.

- A. 0.033 B. 0.33
 C. 3.3 D. 33

37. Hillary had 500 hens. He sold 300 of them. Find the percentage of the number of hens that remained.

- A. 40% B. 20%
 C. 60% D. 50%

38. Find the area of the margin in the figure below



- A. 1 856 cm² B. 2 304 cm²
 C. 1 952 cm² D. 448 cm²

39. A rectangular box measures 1.6 m long, 0.8 m wide and 0.25 m high. Find the volume of the box in cubic centimetres.

- A. 3 200 000 B. 320 000
 C. 32 000 D. 3 200

40. In Std 6, there were 60 pupils. Each pupil was given a 4-decilitre packet of milk. How many millilitres were given altogether?

- A. 240 B. 2 400
 C. 24 000 D. 240 000

41. Peter bought the following items from a shop:

2 kg of sugar @ sh. 120
 3 loaves of bread @ sh. 50
 4 boxes of matchbox @ sh. 5
 2 packets of maize flour for sh. 120
 How much did he pay for the items altogether?

- A. Sh. 380 B. Sh. 350
 C. Sh. 420 D. Sh. 310

42. Obiero bought 5 kg of onion at sh. 80 per kg. He later found out that each kg of onion had an average of 11 bulbs. He sold each bulb at sh. 10 each. Calculate the percentage profit that Obiero received from the sales of onions?

- A. $12\frac{1}{2}\%$ B. $42\frac{1}{2}\%$
 C. $25\frac{1}{2}\%$ D. $37\frac{1}{2}\%$

43. Patrick scored the following marks during End Term Examinations: Mathematics 92%, English 84%, Kiswahili 86%, Science 88% and Social Studies 78%. Calculate his mean score.

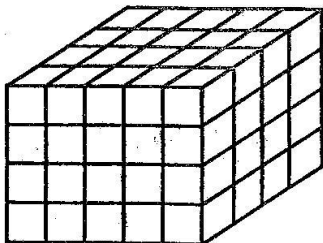
- A. 84.4%
 B. 85.6%
 C. 82.5%
 D. 88.7%

44. What is:

$$50 \text{ t } 867 \text{ kg } 296 \text{ g} \div 8?$$

- A. 8 t 538 kg 421 g
 B. 6 t 338 kg 421 g
 C. 6 t 358 kg 412 g
 D. 6 t 385 kg 421 g

45. The diagram below is a stack of cubes.



How many cubes make the stack above?

- A. 80 B. 60
 C. 120 D. 90

46. A lorry covered a distance of 375 km in 5 hours. Calculate its speed in km/hr.

- A. 65 km/hr B. 95 km/hr
 C. 85 km/hr D. 75 km/hr

47. A map is drawn to scale that 1 cm represents 500 metres. What is the distance in kilometres of a road which is 12 cm on the map?

- A. 0.6 km B. 6 km
 C. 60 km D. 600 km

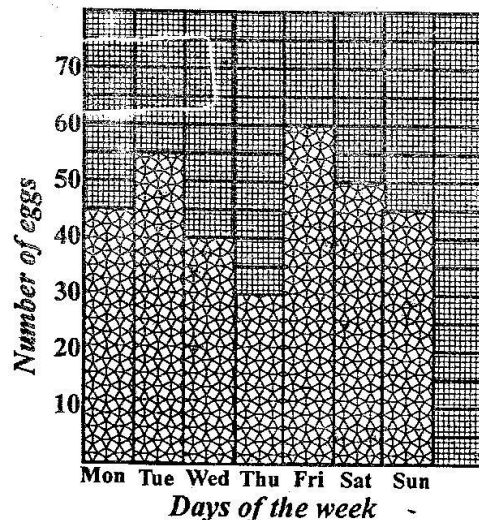
48. What is the product of the face and vertices of an open cube?

- A. 72 B. 60
 C. 40 D. 48

49. Nanok performed the following in Mathematics in five different tests: 72%, 68%, 72%, 84% and 79%. Calculate the sum of the mean and the mode of his marks?

- A. 75 B. 5 400
 C. 72 D. 147

50. The bar graph below shows the number of eggs sold by Mulama in seven days. The highest number of eggs sold was 60 eggs.



In which three consecutive days was the total number of eggs the highest?

- A. Tuesday, Friday, Saturday
 B. Thursday, Friday, Saturday
 C. Tuesday, Wednesday, Thursday
 D. Friday, Saturday, Sunday