

CLASS 6 END TERM 3 MARCH 2022

MATHEMATICS

- What is 8 908 203 written in words?
 - Eight million, nine hundred and eighty thousand, two hundred and thirty.
 - Eight million, ninety eight thousand and twenty three.
 - Eight million, nine hundred and eight thousand, two hundred and three.
 - Eight million, nine hundred and eighty two hundred and three
- Which one of the following numbers is divisible by 8?
 - 723 424
 - 801 508
 - 634 281
 - 354 380
- The area of a square plot of land is 361m^2 . What is the length of one side of the plot?
 - 91m
 - 19m
 - 18m
 - 81m
- What is the place value of digit 3 in the number 7 635 821?
 - Thousands
 - Millions
 - Hundreds of thousands.
 - Tens of thousands.
- The number of COVID 19 patients who tested positive by the end of the year 2021 was 256 893. Round off this figure to the nearest thousands.
 - 256 900
 - 260 000
 - 257 000
 - 256 000
- What is the total value of digit 5 in the number 35 298 467
 - 5 000 000
 - 500 000
 - 50 000
 - 5 000
- What is the sum of the squares of 16 and 36?
 - 256
 - 2 704
 - 1 296
 - 1 552
- A publishing company produced 506 119 books in 2018, 789 342 books in 2019 and 648 123 books in 2021. How many books did the company publish in the three years?
 - 1 842 348
 - 1 943 584
 - 2 042 520
 - 2 491 854
- A farmer had 240 workers in his farm. He paid them sh. 550 each after working the whole day. How much did he pay altogether ?
 - Sh. 13 200 000
 - Sh. 13 200
 - Sh. 1 320 000
 - Sh. 132 000
- Kioko walked a distance of 630km to raise money to educate the disabled children in the community. It took 9 days walking equal distance each day. How many kilometres did he walk each day?
 - 700km
 - 0.7km
 - 70km
 - 7km
- What is the sum of the first six prime numbers?
 - 41
 - 28
 - 42
 - 56
- What is the shortest possible length of timber from which equal pieces of 16cm, 20cm and 30cm can be cut?
 - 240cm
 - 120cm
 - 80cm
 - 160cm
- What is the greatest number which can divide 27, 36 and 45 exactly without a remainder?
 - 18
 - 9

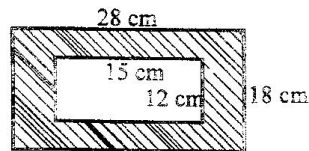
- C. 180 D. 3
14. By how much is $\frac{4}{5}$ greater than $\frac{3}{4}$?
 A. $\frac{1}{40}$ B. $\frac{1}{10}$
 C. $\frac{1}{20}$ D. $\frac{1}{50}$
15. Simplify the expression below.
 $6(3x + 2y) + 2(2x - y)$?
 A. $22x + 10y$ B. $22x + 14y$
 C. $22x - 10y$ D. $22x - 14y$
16. What is the total mass of three parcels containing $16\frac{1}{2}$ kg, $8\frac{1}{4}$ kg and $2\frac{7}{8}$ kg?
 A. $26\frac{7}{16}$ kg
 B. $26\frac{3}{16}$ kg
 C. $26\frac{3}{8}$ kg
 D. $26\frac{7}{8}$ kg
17. What is the value of y in the equation $\frac{1}{2}y + 2 = 6$?
 A. 24 B. 12
 C. 18 D. 30
18. Which one of the following choices is correctly matched with the symbols?
 A. $0.49 > 0.94$
 B. Right angle $<$ acute angle
 C. 50 days $>$ 7 weeks
 D. 36 hours = 3 days
19. The distance from Ogutu's home to school is $\frac{3}{4}$ km. In between Ogutu's home and the school, there is a hospital. What is the distance from the hospital to school?
 A. $\frac{3}{8}$ km B. $\frac{1}{2}$ km
 C. $\frac{3}{16}$ km D. $\frac{1}{4}$ km
20. What is the square root of $1\frac{25}{144}$?
 A. $1\frac{1}{6}$ B. $1\frac{5}{6}$
 C. $1\frac{5}{12}$ D. $1\frac{1}{12}$
21. What is the reciprocal of $\frac{9}{16}$?
 A. $1\frac{6}{9}$ B. $9\frac{1}{7}$
 C. $1\frac{7}{9}$ D. $1\frac{6}{9}$
22. Wairimu prepared $6\frac{1}{2}$ litres of juice for her birthday party. If everybody took $\frac{1}{6}$ of a litre of juice, how many people were at the party?
 A. 83 B. 38
 C. 13 D. 19

23. Round off 3.8694 correct to two decimal places.
 A. 3.87 B. 3.869
 C. 3.9 D. 3.86

24. Divide $0.016 \div 0.04$?
 A. 4 B. 0.004
 C. 0.04 D. 0.4

25. Express $\frac{37}{50}$ as a percentage.
 A. 31% B. 74%
 C. 73% D. 50%

26. Find the area of the shaded region in the figure below.

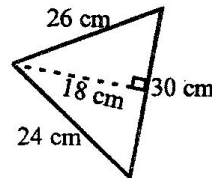


- A. 324cm^2 B. 504cm^2
 C. 684cm^2 D. 180cm^2

27. In a school, 60% of the pupils are girls. If 288 of the pupils are boys, how many pupils are in the school?
 A. 432 B. 720
 C. 480 D. 640

28. The radius of a bicycle wheel is 35cm. Calculate the circumference of the bicycle wheel.
 A. 110cm
 B. 330cm
 C. 220cm
 D. 440cm

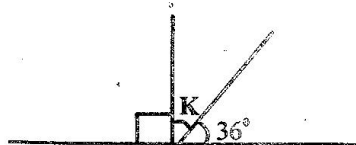
29. The figure below is a triangle.



- Calculate the area of the triangle above.
 A. 360cm^2 B. 270cm^2
 C. 390cm^2 D. 312cm^2

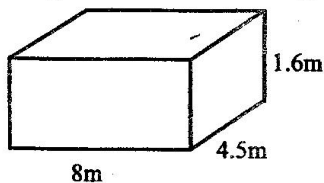
30. The area of a rectangular plot is 8.64 hectares. If the length of the plot is 360m, what is the width of the plot?
 A. 240m B. 180m
 C. 120m D. 300m

31. What is the size of the angle marked k?



- A. 64° B. 56°
 C. 66° D. 54°
32. Ouma left home for the market at 11.36am. He reached the market at 2.15p.m, how long did he take to travel from home to the market?
 A. 9 hours 21 minutes
 B. 2 hours 39 minutes
 C. 3 hours 13 minutes
 D. 1 hours 29 minutes
33. A bus travelled from town X to town Y, a distance of 320km in 4 hours. At how many kilometres per hour did it travel?
 A. 90km/hr B. 65km/hr
 C. 80km/hr D. 75km/hr

34. The diagram below is a rectangular tank.



- What is the volume of the tank in cubic metres?
 A. $57.6m^3$ B. $576m^3$
 C. $5.76m^3$ D. $0.576m^3$
35. A lorry was loaded with 250 cartons of milk. Each carton contained 24-five decilitre packets of milk. How many litres of milk did the lorry carry?
 A. 300 B. 300 000
 C. 30 000 D. 3 000

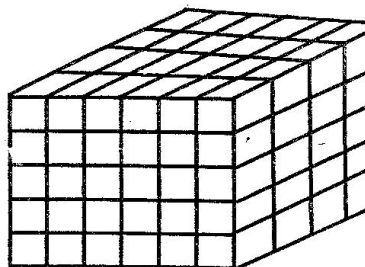
36. A trader bought an item for sh.1 200. He later sold the item at sh. 1 380. Calculate his percentage profit.
 A. 20% B. 15%
 C. 13% D. 18%

37. What is 15t 128kg 315g x 7?
 A. 105t 896kg 205g
 B. 105t 889kg 205g
 C. 105t 898kg 205g
 D. 105t 898kg 250g

38. Irungu bought the following from the shop:
 i) $2\frac{1}{2}$ kg of sugar @ sh.120.00
 ii) 2kg packet of unga @ sh.90.00
 iii) 2 bars of soap for sh. 150.00
 iv) 3 loaves of bread @ sh. 50.00
 He gave the shopkeeper sh. 1 000 for the items. How much balance was he given back?
 A. Sh. 310.00 B. Sh. 220.00
 C. Sh. 290.00 D. Sh. 390.00

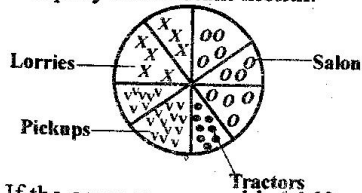
39. Josline bought two hens for sh. 800. She later sold each hen at sh 350.00. Calculate the percentage loss she incurred
 A. 15% B. $16\frac{1}{2}\%$
 C. 20% D. $12\frac{1}{2}\%$

40. The diagram below is a stack of cubes.



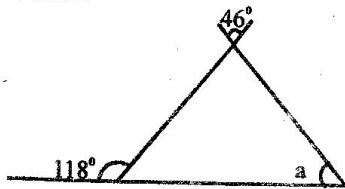
- How many cubes are they?
 A. 200 B. 160
 C. 120 D. 80
41. A map has been drawn using the scale of 1cm represents 50 metres. What is the actual length of a road measuring 12cm on the map?
 A. 600m B. 6 000m
 C. 60 000m D. 600 000m

42. The circle below shows the number of vehicles assembled by Kenya Motors company in a certain month.



If the company assembled 160 vehicles, how many salons car were assembled?

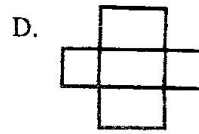
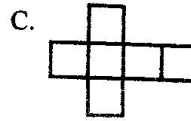
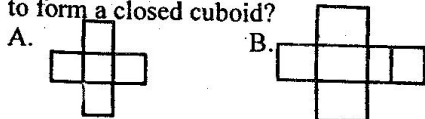
- A. 20
B. 60
C. 30
D. 90
43. What is the size of angle a in the figure below?



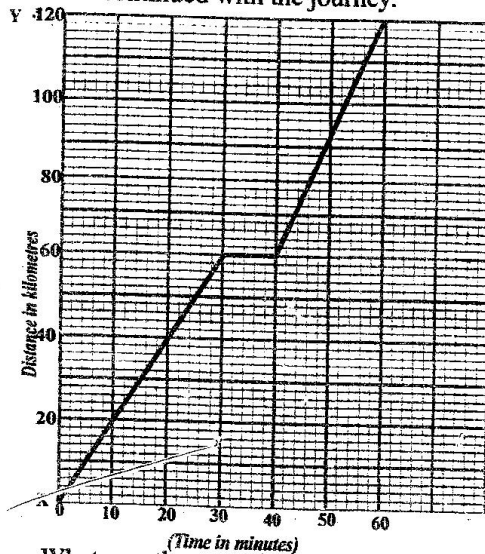
- A. 46°
B. 62°
C. 58°
D. 72°
44. What is 25l 7dl 40m divide by 4?
A. 6l 4dl 35ml
B. 6l 3dl 25ml
C. 6l 4dl 10ml
D. 6l 4dl 25ml
45. Kinyani performed as follows during end of term examination:
Mathematics 92%, English 78%, Kiswahili 84%, Science 80% and Social Studies and CRE 81%. Calculate his subject mean.
A. 415%
B. 80%
C. 85%
D. 83%

46. A storage space measuring 20m by 15m by 8 m is fully packed with boxes each measuring 5m by 3m by 2m. How many boxes were packed altogether in that space?
A. 40
B. 60
C. 80
D. 50

47. Which of the following nets can be folded to form a closed cuboid?



48. What is the sum of the complimentary of angle 30° and supplementary of angle 50° ?
A. 80°
B. 90°
C. 100°
D. 190°
49. A motorist travelled from town X to town Y, a distance of 120km, After travelling for 60km, he stopped to buy water and then continued with the journey.



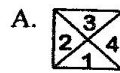
What was the motorist speed after buying water?

- A. 180km/hr
B. 90km/hr
C. 120km/hr
D. 150km/hr

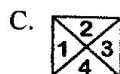
50. Study the shapes below.



What is the next shape in the pattern above?



B.



D.

