

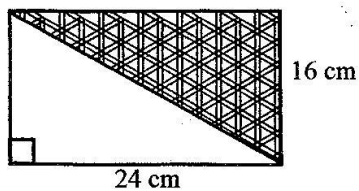
**CLASS 6 END TERM 1 AUGUST 2021 MATHEMATICS**

1. What is **8 081 801** written in words?
  - A. Eighty million, eighty one thousand and eighty one.
  - B. Eight million, eighteen thousand, eight hundred and one.
  - C. Eight million, eighty one thousand, eight hundred and one.
  - D. Eight million, eighty one thousand and eighty one.
  
2. What is the place value of digit **6** in the number **9 685 241**?
  - A. Millions
  - B. Hundreds of thousands
  - C. Tens of thousands
  - D. Thousands
  
3. Round off **75 983** to the nearest thousand.
  - A. 80 000
  - B. 77 000
  - C. 75 900
  - D. 76 000
  
4. What is the total value of digit **8** in the number **1 286 953**?
  - A. 80 000
  - B. 800 000
  - C. 8 000
  - D. 800
  
5. What is the sum of the square of **26** and the square root of **196**?
  - A. 222
  - B. 590
  - C. 960
  - D. 690
  
6. Which one of the following properties is true about numbers divisible by **8**?
  - A. If the last two digits are divisible by 8
  - B. If the last three digits are divisible by 8
  - C. If the number ends with 0, 2, 4, 6 or 8.
  - D. If the sum of its digit is divisible by 8
  
7. A county has **3 792 638** people. If the number of children is **1 549 238** and that of women is **1 346 962**, how many men are there in the county?
  - A. 926 588
  - B. 869 438
  - C. 896 438
  - D. 962 588
  
8. The area of a square plot is  $361 \text{ m}^2$ . What is the length of one side of the plot?
  - A. 19 m
  - B. 29 m
  - C. 91 m
  - D. 39 m
  
9. A book has **238** pages. Each page has **179** words. How many words are there in the book altogether?
  - A. 46 220
  - B. 42 620
  - C. 46 202
  - D. 42 602
  
10. **33 600** textbooks for the Grade 5 were shared among **40** primary schools equally. How many books were given to each school?
  - A. 8 400
  - B. 84
  - C. 840
  - D. 804
  
11. What is the sum of the first eight odd numbers?
  - A. 56
  - B. 64
  - C. 72
  - D. 88
  
12. What is the smallest number which can be divided by **9, 12** and **15** without a remainder?
  - A. 90
  - B. 5
  - C. 3
  - D. 180
  
13. Abigail had a bottle holding  $\frac{3}{4}$  litres of milk. She used  $\frac{1}{5}$  of a litre to prepare tea. How much milk was she left with?
  - A.  $\frac{11}{20}$
  - B.  $\frac{3}{20}$
  - C.  $\frac{2}{5}$
  - D.  $\frac{7}{10}$
  
14. Simplify:  
 $4(5x + 3y) + 3(5x - 3y)$ 
  - A.  $35x - 3y$
  - B.  $35x - 21y$
  - C.  $35x + 3y$
  - D.  $35x + 21y$
  
15. Solve the equation:  
 $\frac{2}{3}x - 8 = 16$ 
  - A. 16
  - B. 36
  - C. 28
  - D. 32

16. Which one of the following inequalities is correct?  
 A.  $1.36 > 13.6$   
 B. Right angle = obtuse angle  
 C.  $10 \text{ km} > 10\,000 \text{ m}$   
 D.  $36 \text{ hours} < 2 \text{ days}$
17. Arrange fractions  $\frac{3}{4}$ ,  $\frac{2}{3}$ ,  $\frac{4}{5}$  and  $\frac{5}{6}$  from the smallest to the largest.  
 A.  $\frac{2}{3}$ ,  $\frac{3}{4}$ ,  $\frac{4}{5}$ ,  $\frac{5}{6}$       B.  $\frac{3}{4}$ ,  $\frac{2}{3}$ ,  $\frac{5}{6}$ ,  $\frac{4}{5}$   
 C.  $\frac{4}{5}$ ,  $\frac{5}{6}$ ,  $\frac{2}{3}$ ,  $\frac{3}{4}$       D.  $\frac{5}{6}$ ,  $\frac{4}{5}$ ,  $\frac{3}{4}$ ,  $\frac{2}{3}$
18. Omwenga lives  $3\frac{1}{4}$  km away from school. If he goes in the morning and comes back in the evening, how many kilometres does he cover in 20 days?  
 A. 65 km  
 B. 260 km  
 C. 130 km  
 D.  $32\frac{1}{2}$  km
19. What is the greatest number which can exactly divide 48, 64 and 72 without a remainder?  
 A. 6                              B. 8  
 C. 12                             D. 18
20. Kago twines  $2\frac{1}{5}$  metres of rope in every hour. How many metres will he twine in  $2\frac{1}{4}$  hours?  
 A.  $9\frac{4}{20}$                         B.  $3\frac{19}{20}$   
 C.  $4\frac{9}{20}$                          D.  $4\frac{19}{20}$
21. Round off 5.896 to one decimal place.  
 A. 5.9                            B. 5.90  
 C. 5.8                            D. 6.0
22. Which one of the following is a recurring decimal?  
 A.  $\frac{1}{4}$                             B.  $\frac{5}{8}$   
 C.  $\frac{2}{9}$                             D.  $\frac{3}{16}$
23. Which of the following digits is in the place value of hundredths in the number 1 579.8642?  
 A. 5                                B. 6  
 C. 7                                D. 4
24. Mogaka's motorcycles covers a distance of 18.75 km for every 1 litre of petrol. What distance will it cover with 2.5 litres of petrol?  
 A. 46.875                        B. 47.785  
 C. 48.675                        D. 45.125
25. What is  $\frac{3}{8}$  of 72?  
 A. 36                                B. 48  
 C. 42                                D. 27
26. What is the sum of the prime numbers between 20 and 50?  
 A. 303                              B. 251  
 C. 441                              D. 121
27. What is the perimeter of a square whose length is 32 cm?  
 A. 1 024 cm                      B. 64 cm  
 C. 128 cm                         D. 96 cm
28. Multiply: 15 kg 216 g by 8  
 A. 121 kg 728 g  
 B. 137 kg 28 g  
 C. 120 kg 1 728 g  
 D. 120 kg 728 g
29. Name the angle drawn below.
- 
- A. Acute angle    B. Obtuse angle  
 C. Right angle    D. Reflex angle
30. The diagram below is a cuboid.
- 
- Calculate the volume.  
 A.  $48 \text{ cm}^3$                       B.  $192 \text{ cm}^3$   
 C.  $144 \text{ cm}^3$                       D.  $86 \text{ cm}^3$

31. Mwaniki was sent to buy the following in a shop:  
 2 kg of sugar at sh. 120 per kg  
 3 loaves of bread at sh. 50 per loaf  
 1 kg of rice at sh. 80 per kg  
 A pencil for sh. 20  
 How much did he pay for the items?  
 A. Sh. 320                      B. Sh. 520  
 C. Sh. 490                      D. Sh. 450

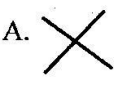
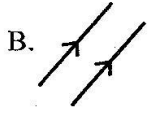
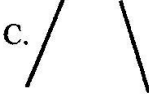
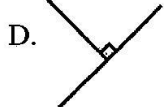
32. What is the area of the shaded region in the figure below?

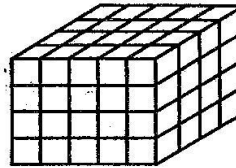


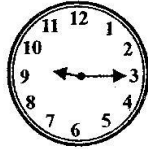
- A. 192 cm<sup>2</sup>                      B. 384 cm<sup>2</sup>  
 C. 96 cm<sup>2</sup>                      D. 768 cm<sup>2</sup>
33. Divide: 26 l 10 ml by 5  
 A. 5 l 15 ml  
 B. 5 l 22 ml  
 C. 5 l 5 ml  
 D. 5 l 202 ml
34. A rectangular farm is 18 metres long and 12 metres wide. Calculate the area of the farm in square metres.  
 A. 60 m<sup>2</sup>  
 B. 216 m<sup>2</sup>  
 C. 30 m<sup>2</sup>  
 D. 108 m<sup>2</sup>
35. Below are properties of a certain triangle:  
 i) *Two sides are equal*  
 ii) *Two angles are equal*  
 iii) *The sum of interior angles adds up to 180°.*  
 Which of the following is the triangle being described above?  
 A. Scalene triangle  
 B. Equilateral triangle  
 C. Isosceles triangle  
 D. Right angled triangle

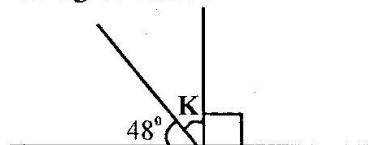
36. Add:

hrs	min	sec
2	48	36
+ 1	51	42

- A. 4 hrs 40 min 18 sec  
 B. 3 hrs 99 min 78 sec  
 C. 4 hrs 9 min 8 sec  
 D. 13 hrs 6 min 8 sec
37. Which of the following lines are perpendicular lines?
- A.       B. 
- C.       D. 
38. The diagram below is a stack of cubes.



- How many cubes are they?  
 A. 100                      B. 60  
 C. 90                      D. 80
39. What is the time?
- 
- A. Quarter to three      B. Quarter past nine  
 C. Half past three      D. Quarter past ten
40. What is the size of the angle marked K in the figure below?

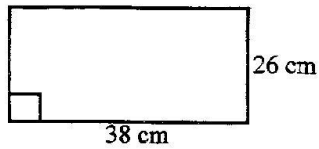


- A. 52°                      B. 32°  
 C. 42°                      D. 132°

41. A map is drawn to the scale that 1 cm on the map represents 50 metres on the actual ground. What is the actual length of the road represented by 5 cm on the map?  
 A. 250 m                      B. 450 m  
 C. 350 m                      D. 150 m

42. Convert 50 km 5 metres into metres.  
 A. 50 050 m  
 B. 500 005 m  
 C. 5 005 m  
 D. 50 005 m

43. Find the perimeter of the rectangle drawn below.



- A. 64 cm                      B. 128 cm  
 C. 256 cm                    D. 512 cm
44. The table below shows rates for sending letters through post office.

(Letters) Weight	Sh. cts
Not over 20 g	26 00
Not over 50 g	37 00
Not over 100 g	52 00
Not over 250 g	65 00
Not over 500 g	81 00
Not over 1 kg	103 00

Amina sent two letters. One weighing 30 g and the other 150 g. How much did she pay for the letters?

- A. Sh. 152                      B. Sh. 37  
 C. Sh. 102                      D. Sh. 65
45. The table below shows a record of vehicles that passed through a certain centre on a certain day.

Types of vehicle	Tally mark
Pick-ups	### ## ## //
Lorries	## ////
Tractors	///
Minibuses	## ## ////
Saloons	## ## ## ## /

How many vehicles were recorded that day altogether?

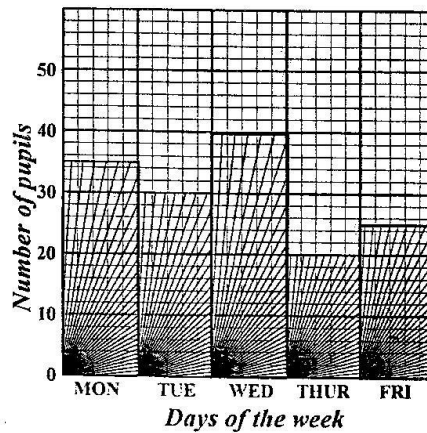
- A. 64                              B. 76  
 C. 53                              D. 82
46. Which one of the following is the next number in the number sequence below?  
 81, 63, 47, 33

- A. 12                              B. 25  
 C. 19                              D. 21
47. Multiply:  
 $5.32 \times 6$

- A. 3.192                        B. 31.92  
 C. 319.2                        D. 3192
48. Two pens cost sh. 16.00. How much will four pens cost?  
 A. Sh. 24  
 B. Sh. 48  
 C. Sh. 32  
 D. Sh. 8

49. Which one of the following numbers is divisible by 9?  
 A. 249                            B. 891  
 C. 318                            D. 481

50. The bar graph drawn below shows the number of pupils present in a certain week.



- How many pupils were present that week?  
 A. 150                            B. 50  
 C. 200                            D. 180