

READ THESE INSTRUCTIONS CAREFULLY.

1. You have been given this question paper and a separate answer sheet. The question paper contains 30 questions.
2. Make sure that you have written on the answer sheet.

(i) Your name

(ii) Name of your school

(iii) KNEC Assessment number

Time: 2 hours

1. By the end of a certain month, the number of Corona virus disease patients was **103125**. The following month had **4287** new patients. What is the place value of digit **4** in the total number of patients?

- A. Tens
- B. Hundreds
- C. Thousands
- D. Tens of thousands

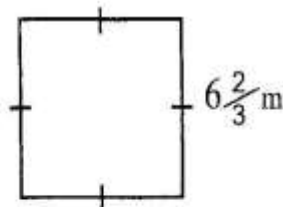
2. A learner was provided with a number below

934865

What is the sum of the total values of digit 3 and 8 in the number?

- A. 38000
- B. 38
- C. 30800
- D. 34800

3. What is the area of the square below?



- A. $33\frac{4}{9}\text{ m}^2$
- B. $36\frac{4}{9}\text{ m}^2$
- C. $39\frac{4}{9}\text{ m}^2$
- D. $44\frac{4}{9}\text{ m}^2$

4. Work out the perimeter of a square whose area is 676 cm^2 .

- A. 26cm
- B. 104 cm^2
- C. 104cm
- D. 52cm

5. The number of registered voters in Vihiga county was **55409**. Round off the number of voters to the nearest thousands?

- A. 55400
- B. 55000
- C. 55410
- D. 56000

6. What is the square of 81?

- A. 6561
- B. 324
- C. 9
- D. 27

7. Mombasa county government planted eight million eight hundred and ten thousand six hundred and fifty nine trees in Tsavo National Park. How many trees were planted in symbols?

- A. 80810659
- B. 8810659
- C. 8801659
- D. 8810559

17. Round off **29.895** to two decimal places

A. 29.89
B. 29.900
C. 29.00
D. 29.90

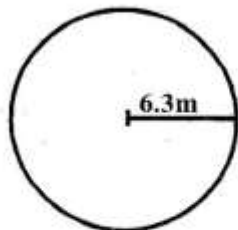
18. Onditi deposited eighty million eight thousand and eighty shillings in his Equity account. How much had he deposited in symbols?

A. Ksh. 80008080
B. Ksh. 808080
C. Ksh. 80880800
D. Ksh. 8808080

19. During a painting lesson, Otuma used $9\frac{3}{4}$ ml of red ink and $6\frac{5}{8}$ ml of blue ink. What amount of ink did he use?

A. $5\frac{8}{12}$ ml
B. $15\frac{3}{8}$ ml
C. $16\frac{1}{8}$ ml
D. $15\frac{1}{8}$ ml

20. Find the circumference of the figure drawn below, use (Use $\pi = \frac{22}{7}$)



A. 18.9m
B. 3.96m
C. 39.6m
D. 12.6m

21. What is the sum of the squares of 9 and 27?

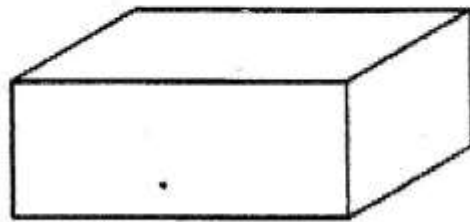
A. 2116
B. 108
C. 738
D. 810

22. Estimate the product by rounding off each number to the nearest ten

$$1777 \times 52$$

A. 88500
B. 92400
C. 89000
D. 924040

23. What is the product of the faces and the edges of the figure drawn below?



A. 72
B. 48
C. 96
D. 60

24. A right angled triangle has an area of 48m^2 . If the height of the triangle is 8m, find the base of the triangle?

A. 6m
B. 12m
C. 20m
D. 40m

25. What is the name of the figure described below?

- (i). *All angles are equal*
- (ii). *Opposite sides are equal and parallel*
- (iii). *Diagonals are equal*
- (iv). *It has four lines of symmetry*

- A. Rectangle
- B. An equilateral triangle
- C. Square
- D. A right angle

26. Express 0.075 as a fraction in its simplest form

- A. $\frac{15}{200}$
- B. $\frac{3}{4}$
- C. $\frac{75}{1000}$
- D. $\frac{3}{40}$

27. Solve for x in the equation

$$\frac{2}{3}x - 4 = 16$$

- A. 30
- B. 24
- C. 60
- D. 8

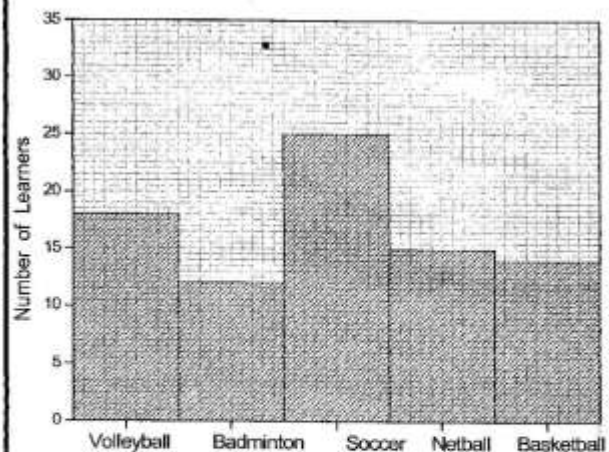
28. A matatu left Siaya at 1045h. It took 4h 25min to reach Kisumu. At what time in the 12-hour clock system did it reach Kisumu?

- A. 3.10 am
- B. 3.00 p.m
- C. 3.10 pm
- D. 3.00 a.m

29. An empty lorry weighs 4.5 tonnes. When it is loaded with 50kg bags of cement, it weighs 6.3 tonnes. How many bags of cement are these?

- A. 90
- B. 45
- C. 126
- D. 36

30. The graph below represents the favourite sport chosen by learners in Grade Six



Which sport was the least popular?

- A. Soccer
- B. Badminton
- C. Volleyball
- D. Netball