

UMMUL-QURA HIGH SCHOOL

Arowona Bus-Stop, Off Akanran Road, Ibadan.
THIRD TERM EXAMINATION, 2018/2019 ACADEMIC SESSION.

SUBJECT: Mathematics.

CLASS: JSS 1

TIME: 2 hours.

OBJECTIVE PART: Read and choose the *correct* answer from the options provided.

1. The perimeter of a circle is also *known* as;
A. diameter
B. radius
C. circumference
D. arc
2. The formulae for finding the area of trapezium is;
A. $\frac{1}{2}(h + b)b$
B. $2(a + b)h$
C. $\frac{1}{2}(h + b)a$
D. $\frac{1}{2}(h + a)h$
3. An equilateral triangle is a triangle with-----sides equal.
A. 2
B. 3
C. 1
D. 4
4. Complete the following equivalent fraction;
 $\frac{11}{12} = \frac{\square}{24} = \frac{33}{\square} = \frac{\square}{\square}$
A. 22, 36, 44, 48
B. 11, 24, 33, 44
C. 12, 24, 33, 44
D. 22, 36, 11, 24
5. Write this in figures; fifty-one billion, one hundred and eleven million, nine hundred and thirty-seven thousand, two hundred and forty-four.
A. 51111937244
B. 51100937244
6. The LCM of 36 and 120 is;
A. 360
B. 180
C. 120
D. 72
7. Evaluate $\frac{3}{4} - \frac{1}{2}$.
A. $\frac{1}{4}$
B. $\frac{1}{6}$
C. $\frac{1}{2}$
D. $\frac{2}{5}$
8. $(259 - 132) + 85 = \text{-----}$
A. 42
B. 24
C. 132
D. 442
9. The HCF of 144 and 112 is equal to;
A. 16
B. 61
C. 144
D. 12
10. Simplify $\frac{7}{20}$ of 80 km.
A. 28.
B. 20
C. 80
D. 7

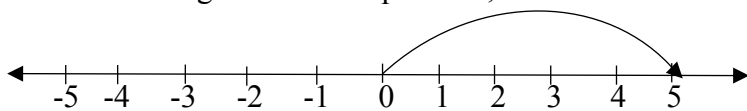
11. The binary of 25_{ten} is;

- A. 1100_2
- B. 10001_2
- C. 11101_2
- D. 11111_2

12. Convert 623_{10} to binary numerals.

- A. 100110111_2
- B. 100111011_2
- C. 11101111_2
- D. 100110001_2

13. The diagram below represents;



- A. $x \geq 5$
- B. $x > 5$
- C. $x < 5$
- D. $x \leq 5$

14. $14x - 7 = 7$. What is the value of x

- A. 1
- B. 0
- C. -1
- D. -14

15. The value of q in $5.1q - 3.2 = 32.5$ is;

- A. 7
- B. -7
- C. 9
- D. 32

The perimeter of an equilateral triangle is;

- A. $3n$
- B. $3 + n$
- C. $3 + n - 1$
- D. $3 - 1 + n$

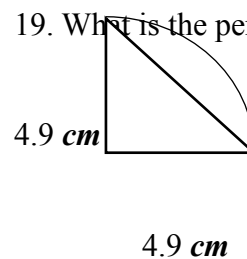
17. The perimeter of a parallelogram is;

- A. $2(l + b)$
- B. $2l + b$
- C. $2b + l$
- D. $b + l$

18. What is the perimeter of the square whose length is 5 cm ?

- A. 20 cm
- B. 5 cm
- C. 10 cm
- D. 15 cm

19. What is the perimeter of this quadrant?



- A. 17.5 cm
 - B. 1.75 cm
 - C. 175 cm
 - D. 0.175 cm
20. Simplify $[1^{1/5} - 2^{2/3}] * 5/6$.
- A. $4/9$
 - B. $7/9$
 - C. $5/18$
 - D. 1

21. Find the circumference of the circle whose diameter is 35 mm .

- A. 110 mm
- B. 150 mm
- C. 35 mm
- D. 70 mm

22. What is 10% of 120?

- A. 12
- B. 21

C. 132

D. 120

23. Express 44 as binary number.

A. 101100₂

B. 101110₂

C. 111100₂

D. 100000₂

24. What is MXMX represents?

A. 2020

B. 1010

C. 0101

D. 10101010

25. Reduce $\frac{60}{120}$ to its lowest form;

A. $\frac{1}{2}$

B. $\frac{6}{12}$

C. $\frac{3}{4}$

D. $\frac{60}{120}$

26. Express 0.125 in fraction;

A. $\frac{125}{1000}$

B. $\frac{1000}{125}$

C. $\frac{12}{150}$

D. $\frac{100}{25}$

27. Evaluate $2x + x + x = 8$.

A. $x = 2$

B. $x = 4$

C. $x = 8$

D. $x = 3$

28. Convert $\frac{14}{3}$ to mixed number;

A. $4\frac{2}{3}$

B. $4\frac{3}{2}$

C. $\frac{3}{2}$

D. $\frac{4}{3}$

29. Solve $45.00 + 13.75$.

A. 58.75

B. 58

C. 85.57

D. 14.70

30. The place value of **3** in 43125 is;

A. thousand

B. hundred

C. tens

D. units

31. The perimeter of a square of length 5 **cm** is;

A. 20 **cm**

B. 30 **cm**

C. 15 **cm**

D. 10 **cm**

32. Evaluate $\sqrt{\frac{81}{9}}$.

A. 9

B. 3

C. 8

D. $\frac{9}{3}$

33. The 20% of $x = 200$. What is x ?

A. 1000

B. 100

C. 2000

D. 200

34. What is $\frac{3}{20}$ of 10 **km**.

A. $\frac{2}{3}$

B. $\frac{3}{2}$

C. 10

D. 20

35. A shape with **two** opposite sides equal is -----

A. rectangle

B. square

C. triangle

D. scalene

36. The formula for finding the perimeter of any parallelogram is;

A. $2l + b$

B. $2(l + b)$

C. $2b + l$

D. $4(l + b)$

37. Evaluate $10/20 = \square/40$.

A. 20

B. 30

C. 40

D. $1/2$

38. What is $3/4$ in decimal?

A. 0.75

B. 0.5

C. 3.44

D. 4.3

39. What is 0.638 in fraction?

A. $638/100$

B. $638/1000$

C. $638/10$

D. $638/10000$

40. The square root of 144 is;

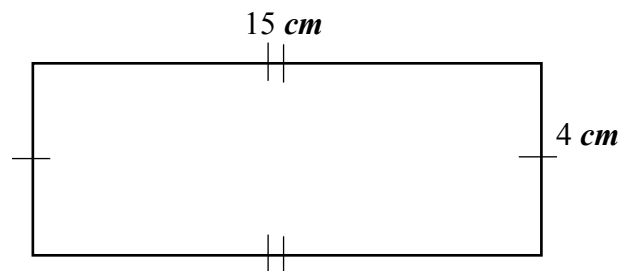
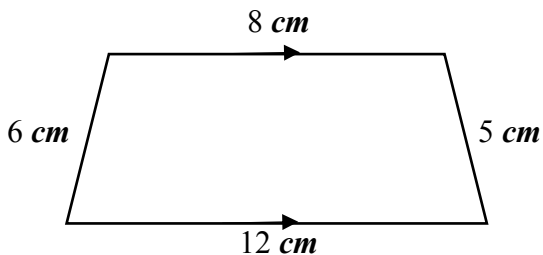
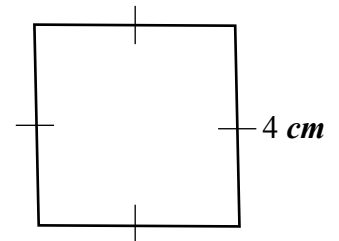
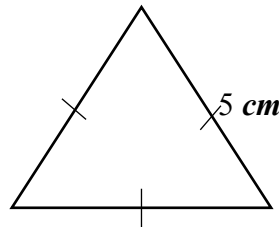
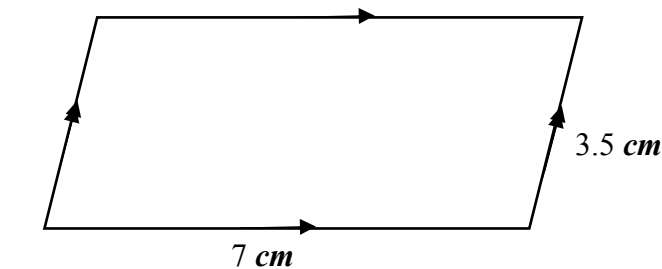
A. 14

B. 44

C. 12

D. 144

THEORY PART: Answer *three* questions in *all*, question *one* is compulsory.



1. Study the diagrams above;

a. Identity each diagrams.

b. calculates the perimeter of each of the plane shapes

2a. Calculate the circumstanes of the given information;

a. $d = 35 \text{ mm}$

b. $r = 28 \text{ cm}$

c. $r = 6.5 \text{ mm}$

d. $d = 16 \text{ mm}$

3. Copy and fill in the following gaps;

i. $10 \text{ mm} = \text{-----}$

ii. $10 \text{ cm} = \text{-----}$

iii. $1000 \text{ m} = \text{-----}$

iv. $10 \text{ dm} = \text{-----}$

v. $1000 \text{ mm} = \text{-----}$

vi. $1000000 \text{ mm} = \text{-----}$

vii. $100 \text{ cm} = \text{-----}$

viii. $100000 \text{ cm} = \text{-----}$

ix. $10000 \text{ dm} = \text{-----}$

x. $100 \text{ mm} = \text{-----}$

4a. A room is 6 m long, 4.2 m wide and 3.2 m high. What is its volume?

4b. A cube is of side 23 cm . What is the volume of the cube in m^3 ?

5. Calculate the area of the following shapes;

