KITH AND KIN INTERNATIONAL COLLEGE

*7/11 Kaoli Olusanya Street, Owode Ibeshe, Ikorodu, Lagos State.*

THIRD TERM EXAMINATION 2024/2025 ACADEMIC SESSION



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| **NAME** |  |
| **SUBJECT** |  **MATHEMATICS** | **CLASS** | **JSS** 1 | **DURATION** | 1. **½ HOUR**
 |

***Part A: Multiple choice (50 marks)***

Answer all questions: ***Each*** question is followed by ***four*** options lettered A to D. Find out the correct option for ***each*** question and ***shade in pencil*** on your answer space which bears the same letter as the option you have chosen. Give only ***one*** answer to ***each*** question.

1. Arrange in descending order of magnitude

$ \frac{3}{5}$, $\frac{1}{2}$, $\frac{4}{7}$, $\frac{5}{9}$

 A. $\frac{3}{5}$, $\frac{4}{7}$, $\frac{1}{2}$, $\frac{5}{9}$

 B. $\frac{1}{2}$, $\frac{4}{7},\frac{3}{5}$, $\frac{5}{9}$

 C. $\frac{3}{5}$, $\frac{4}{7}$, $\frac{5}{9},$ $\frac{1}{2}$

 D. $ \frac{4}{7},\frac{3}{5},\frac{1}{2}$, $\frac{5}{9}$

1. What does the construction below represent?

A. 900

 B. 1350

 C. 600

D. 450

1. Solve 6$\frac{1}{2}$ – 2$\frac{1}{5}$

A. 3 $\frac{3}{10}$

B. 4 $\frac{7}{10}$

C. 4 $\frac{3}{10}$

D. 3 $\frac{7}{10}$

1. \_\_\_\_\_\_\_\_\_\_ is an example of an improper fraction

A. $\frac{5}{6}$

B. $\frac{23}{5}$

C. $\frac{19}{23}$

D. $\frac{51}{103}$

1. Eight billion, two hundred and eleven million twenty one thousand and nine in figure is

 A. 8 211 021 009

 B. 802 112 109

C. 82 011 021 009

D. 800 211 021 009

1. Write in words 3 000 025

A. Three hundred thousand and twenty five

 B. Three million and twenty five

C. Thirty thousand and twenty five

 D. Thirty million and twenty five

1. Find the HCF of 27 and 36

 A. 6

 B. 3

 C.

18

D. 9

1. Calculate the perimeter of the shape below.

**4cm**

1. 2cm
2. 4cm
3. 8cm
4. 12cm

9. The LCM of 4, 6 and 8 is

A. 8

B. 12

C. 18

D. 24

10. Find the HCF of 5, 10 and 15

A. 10

B. 15

C. 5

D. 30

11. Which one of the following is equivalent to $\frac{2}{5 }$?

A. $\frac{7}{9}$

B. $\frac{6}{10}$

C. $\frac{10}{15}$

D. $\frac{8}{20}$

1. The value of 8 in 18214 is
2. 8 units
3. 8 tens
4. 8 hundreds
5. 8 thousands
6. The Roman numerals CXCIV represents the number
7. 194
8. 186
9. 214
10. 215
11. Perimeter of a square with side 5 cm is:
A. 10 cm
B. 15 cm
C. 20 cm
D. 25 cm
12. Area of a rectangle =
A. Length + Breadth
B. 2 × (Length + Breadth)
C. Length × Breadth
D. Length ÷ Breadth
13. Angles on a straight line add up to:
A. 90°
B. 120°
C. 180°
D. 360°
14. The product of prime factor of 28 is
15. x 3 x 7
16. x 4 x 7
17. x 7
18. 2 x 2 x 7
19. Simplify 5 ¼ + 1 1/6 – 3 2/3
20. 5 11/4
21. ¾
22. 1/12
23. 1 ¾
24. What is the square of 30?

 A.60

B.90

C.270

D.900

20. Simplify -8- (-3) + (+5) + (-8)

 A. 8

 B. 16

 C. -8

 D. -24

 21. What is the additive inverse of -8?

A. +4

B. + 2

C. +8

D. +7

 22. Simplify ( +5) + (-7)-4.

A. 2

B. -2

C. -6

D. 8

23. If x = -2, y = -3 , Evaluate 9x2$÷ $2y

 A. -6

 B. -3

 C. 6

 D. 12

24. What is the coefficient of x in the expression 7 – 9x?

A. 9

 B. 7

 C. -9

D. -2

25. Simplify x- 6y – (7y- 3x)

A. 12x- 13y

 B. 4x-13y

 C. 2x +13y

 D. 4x-y

26. If x = 3, y = 2 and z = -1, evaluate z( 5x-y)

 A. -13

 B. -10

 C. 15

 D. 14

27. Solve the equation $\frac{x-5}{4 }=3$

 A. 12

 B. 17

 C. 7

 D. -7

 28. If 8 is added to a number, the result is 27, What is the number?

 (a) 25

 (b) 35

 (c) 19

 (d) -27

1. Solve $\frac{10x}{6}=5$

 (a) 30

 (b) 3

 (c) 15

(d) 26

1. Solve 3y + 4 = 22

 (a) 6

 (b) $\frac{26}{3}$

 (c) 18

 (d) 54

1. A polygon with seven sides is called ..................

(a) pentagon

 (b) hexagon

 (c) octagon

 (d) heptagon

1. What is the perimeter of a rectangle that measures 11cm by 3cm.

(a) 39cm

 (b) 28cm

 (c) 36cm

 (d) 26cm

1. The diameter of a circle is 13.8cm long. Find the length of its radius

(a) 27.6cm

(b) 7.6cm

 (c) 6.9cm

 (d) 6.4cm

1. What is the volume of a cube of edge 5cm.

(a) 15cm3

 (b) 75cm3

 (c) 125cm3

 (d) 25cm3

1. Calculate the volume of a cuboid with dimension 18cm by 12cm by 8cm.

 (a) 1728cm3

 (b) 512cm3

 (c) 144cm3

(d) 1872cm3

1. <AOB and <COB are complimentary if <COB = 400, the

<AOB is

(a) 500

(b) 1400

(c) 3200

(d) 600

(e) 1200

1. Find the value of a in the diagram below

100­­­­­0

50­­­­­0

a

(a) 1000

(b) 400

(c) 800

 (d) 500

1. The value of angle z in the diagram below is

380

720

Z

(a) 720

(b) 700

(c) 1500

(d) 1100

The pie chart below shows the course which a group of students are doing. Use the pie chart to answer questions 38 to 42.

1. What is the value of angle xo?

 A. 20o

 B. 30o

 C. 40o

 D. 35o

1. Which course most students doing? A. Engineering

 B. Accounting

 C. Law

 D. Medicine

1. Which course has the least number of students?

A. Engineering

B. Accounting

 C. Law

 D. Medicine

1. What fraction of the students are doing Engineering?

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

B. $\frac{1}{4}$

 C. $\frac{1}{3}$

 D. $\frac{1}{6}$

1. A student obtained 50, 80, 60 and 70 marks in 4 different tests in Mathematics. Find the mean score. A. 60

 B. 65

 C. 70

 D. 75

1. Find the median of these numbers: 6, 3, 5, 7, 8.

A. 3

B. 5

 C. 6

D. 5.5

1. What is the mode of these numbers: 4,6,8,7,3,1,3,7,1,8,1.

A. 7

B. 2

C. 8

D. 1

1. The sum of interior angles of a triangle is:
A. 90°
B. 180°
C. 270°
D. 360°
2. Which shape has all sides and angles equal?
A. Rectangle
B. Square
C. Parallelogram
D. Trapezium
3. Area of a trapezium =
A. a + b × h
B. 2(a + b) × h
C. ½(a + b) × h
D. a² + b²
4. Perimeter of an equilateral triangle with side 7 cm is:
A. 14 cm
B. 21 cm
C. 24 cm
D. 28 cm
5. The area of a square with side 9 cm is:
A. 72 cm²
B. 81 cm²
C. 90 cm²
D. 99 cm²
6. A circle with radius 7 cm has a perimeter of (π = 22/7):
A. 14 cm
B. 22 cm
C. 44 cm
D. 88 cm

***SECTION B***

***ANSWER ANY FOUR QUESTION IN ALL EACH QUESTION CARRY EQUAL MARK***

1. A student was given N600.00 in June as a pocket money. He spent the money as follows:

Food = N200.00

Transport = N100.00

Books = N120.00

Rent = N150.00

Miscellaneous = N30.00

Draw a pie chart to illustrate the data. 10marks.

2. The table below shows the marks obtained in a Mathematics test by JSS1 students.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Mark | 5 | 6 | 7 | 8 | 9 | 10 |
| Frequency | 2 | 3 | 5 | 7 | 4 | 2 |

Find the

1. Modal mark
2. Median mark
3. Mean mark of the distribution to 1 d.p 7marks

b. Tolu obtained an average of 70 marks in 8 tests. He then scored 65 and 80 marks in another two tests. Find his new average mark 3 marks

3. Find the values of a and b in the diagram 5 marks

1110

700

2a + 1

b

b. Solve the following equation 5marks

(a) 3$\left(a-2\right)+2a=24$

(b) 4$\left(y-1\right)+5\left(y+1\right)=100$

4. The three angles of a triangle are in the ratio 1: 3: 5. Find the angles*. 5 marks*

 . What are the approximate and the exact values of :

1. 3.753+17.289 *2marks*
2. 2 $\frac{1}{2}$+ 5$\frac{1}{6}$ *3marks*

5. Calculate value of the following and give your answer correct to the number of significant figures

(a) 46 x 34 correct to 2.f. *3marks*

(b) 346 x 24 correct to 3 s.f *3marks*

(c )5.766 + 81.34 correct to 1 s.f *2 marks*

(d) 72.63 – 8.35 correct to 3 s.f *2marks*

6. A man spent #2500 on housing, #1245 on savings, #3480 on feeding and #248 on the children’s education. How much did he spend altogether? *3marks*

b. Express 36 as a product of prime factor 2 mark

c.The angles on a straight line are 2xo, 3xo and (3x+20)o, respectively. Find

1. The value of x 2 marks
2. Each of the three angles *3 marks*