



INSTRUCTION: Attempt all questions

DURATION: 1 (ONE) HOUR

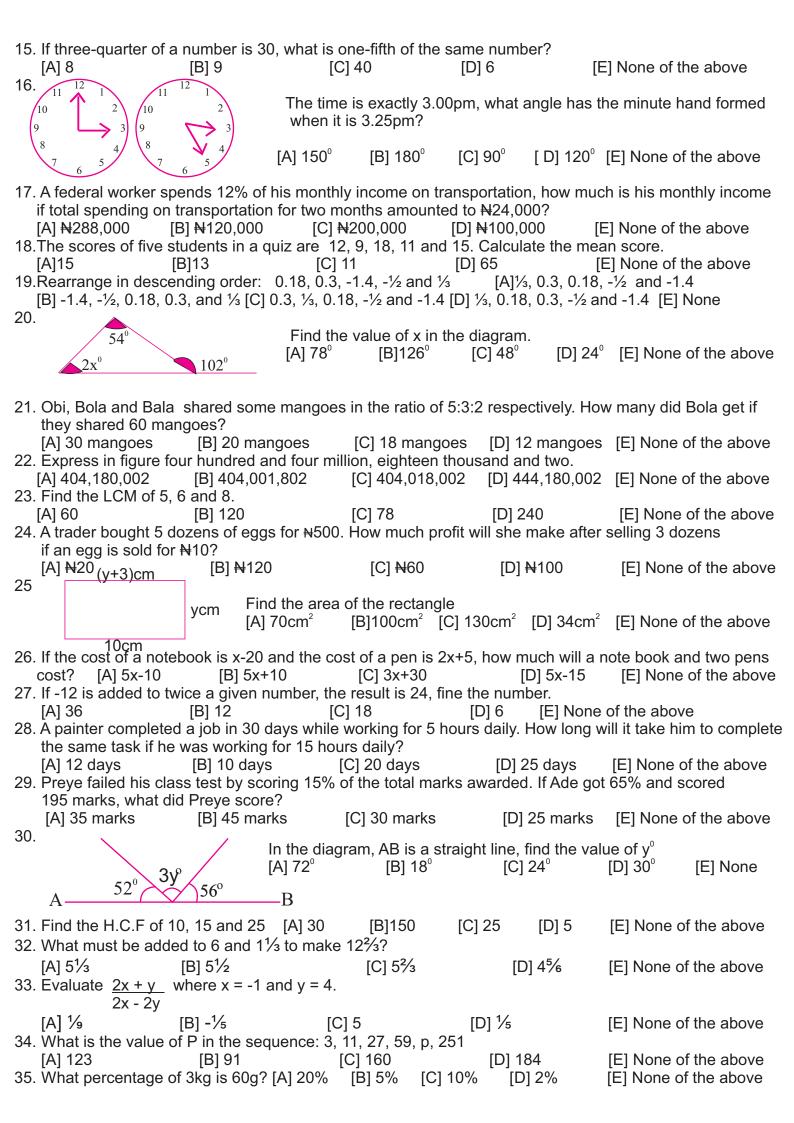
2023 Mock Examination

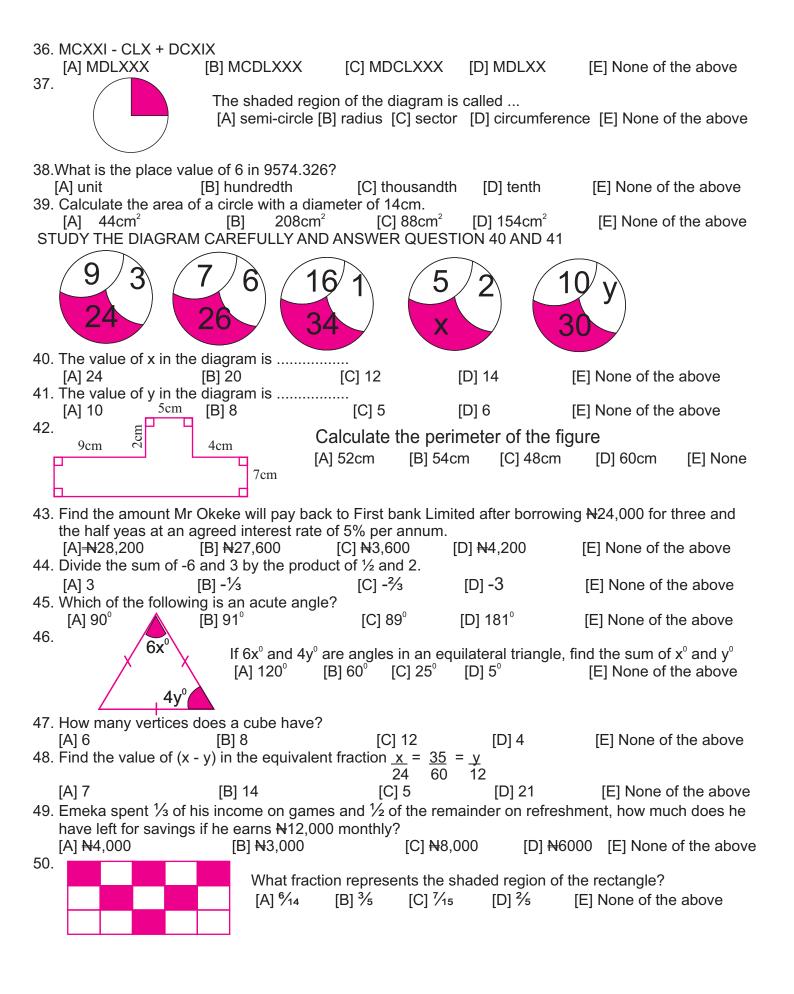
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INSTRUCTION:	ATTEMPT ALL	OLICATIONIC		OLICATION	CADDIEC	ONIE MANDIC
INZIKIICINI		CHESTIONS	$I - \Delta I \cdot H$		CARRIES	ONE MARK
	~	. QUEUTION	,_,_,	QOEO I IOI1		

	he average spe overed in the la		bus traveling in			/h, calcul	late the distance it has
-	\] 36km	[B] 9km	[C] 4.5km			lone of th	
					me and rece	ived N 25	5,000 at the end of the
[A	eriod of the inve] 50%	estment, at wha [B] 250%	at rate was intere [C] 150%	est given? [D] 15%	[E] N	lone of th	ne above
3.	5cm						
	3cm		area of the recta [B] 47cm²	ngle if the are [C] 15cm²			gion is 32cm² [E] None of the above
4 C	orrect 600187 t	o two significa	nt figures				
	1 600000	[B] 60	[C] 610000	[D] 60018	7 [E] N	lone of th	ne above
_	-		is made up of ho				
	120 days		[C] 92 days			None of the	he above
-	hich of the follo				,		
	121	[B] 252		[D] 168	[E] N	None of the	ne above
							AM after flying for
			from Nigeria, Wh				
] 4 .10 PM		[C] 4.40 AM				the above
8.	3X°						
		Calculate the	he value of x in the	ne triangle			
		[A] 90°	[B] 54°	[C] 18°	[D]	36° [[E] None of the above
	2	2X°					
		•	quadruplet writir	ng Royal Math	s Olympiad	Exam is	45 years and 4 month
	vhat is the age o						
							nonths [E] None
							otal of 70 books, find
	the value of x. [/		[B] 3	[C] 4	[D]		E] None of the above
			are 2y, 3y and 4y				
			les triangle [C] rio	ght angled tria	ngle [D] equ	ıılateral tr	rangle [E] None
	Find the square		501.4		FD1 44/		6.41
	[A] ² / ₃	[B] 1½	[C] 15	² /4	[D] 1¼	[E] Non	e of the above
13.	60	■ The	least favourite fr	uit consumed	in the diagra	am is _	
				ape [C] App			[E] cherry
	40	6.4.	[=] g.c	, [o], .pp	[5] 54		[=] 00)
	20						
	0	e Liy					
	Orange	Apple Banana Cherry					
11 1			on a loan of NG O	00 horrowed f	or 21/4 years	ot the re	ato of 10% interest

14. Calculate the simple interest on a loan of ₩6,000 borrowed for 2¼ years at the rate of 10% interest per annum. [A] ₩1,950 [B] ₩600 [C] ₩1,350 [D] ₩1,200 [E] None of the above.

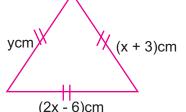




SECTION B: ANSWER ALL QUESTIONS EACH QUESTION CARRIES TWO MARKS(50 MARKS)

- 51. Express 72 as a product of its prime factors.
- 52. Calculate the cost of tiling a 6m square room if the cost of tiling a 30cm square room is \text{\text{\$\text{\text{\$\text{\$4}}}}2000.}

53.



Calculate the value of ycm in the triangle.

- 54. The minute hand of a clock rotates through an angle of 360° in how many hour(s)?
- 55. Find the product of 0.05 and 760.
- 56. Mrs. Okafor bought an article for N45,000, at what price must she sell to make a profit of 10%?
- 57. Find the sum of 0.018, 22.3, 432.04 and -1/2
- 58. How many even numbers are there between 2 and 200?
- 59. If 9 taps flowing at the same rate can fill a tank in 16 hours, how long will it take 24 taps to fill same tank?
- 60. Express $\frac{1}{4}$ as a decimal fraction.
- 61 How many loaves of bread weighing 16g can be baked from a dough that weighs 48kg?
- 62 How many prime numbers are there from 1 to 31?

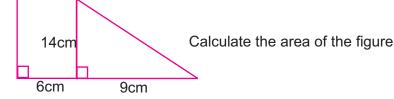
63.



If all sectors of the circle are equal in area, what percentage represents the shaded region?

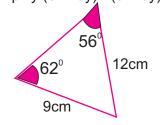
- 64. Simplify $(1\frac{2}{3} + 2\frac{1}{2}) \div \frac{5}{6}$
- 65. Find the median weight of seven books arranged in a cabinet: 44g, 22g, 16g, 30g, 17g, 32g, and 9g.
- 66. What is the smallest number that can be divided by 9, 5 and 7?
- 67. Mr Tunde the mathematics teacher left his house for work at exactly 6.45AM and returned by 7.25PM, how long was he away from his home?

68.



- 69. A drum half full contains 150 litres of petrol, how many drums will be required to fill a tank with a capacity of 7,500 litres?
- 70. If a = 2, b = 0 and y = 3, find aby.
- 71. The area of a triangle is 48cm^2 , find the height of the triangle if the base is given as 6 cm.
- 72. Simplify (6x 9y) (3x 5y)

73.



find the perimeter of the triangle

- 74. Simplify $8 \div 2 1 \times 3 + 4$
- 75. Find the area of a square classroom with a length of 12m