1. The coefficient of  $x^2$  in the expansion

(x-1)	(-2x + 3) is	3	
A	В	C	D
-1	3	2	-2

2. The number 79.41 approximated to the nearest

whole nu	moer is		with a residence that the self-the self-the
A	В	C	. D
794	80	79	7941

3. The value of k for which (x + 4) is a factor of

X	-kx - 20 =	UIS	Assert Control of the	1160
A	В	C	D	7.11
4	1	-4	-1	* 11.1

4. The n<sup>th</sup> term of the geometric progression 4, 8, 16 and 32 is

A	2 <sup>n-1</sup>	
В	4 <sup>n-1</sup>	THE PARTY OF
C	$2\times 2^{n-1}$	A SHADOW
D	$4 \times 2^{n-1}$	

5. The simplified form of  $\sqrt{3} - \sqrt{12}$  is

A	B	C	D
$-\sqrt{3}$	3√3	$\sqrt{3}$	$-3\sqrt{3}$

6. A bank offers an electrician a personal loan of 315.000 FCFA. He has to pay back the capital in 11 monthly payments of 35.000 FCFA. How much does the man pay extra for this agreement?

A	70,000 FCFA	
B	35.000 FCFA	To the
C	350,000 FCFA	
D	385,000 FCFA	

7. Converting 25% to a fraction gives

A	B	C	D
3	2	1	1
4	5	4	5

Two towns are 150km apart. What is the distance between the two towns on a map that uses a scale of 1cm:50km?

A	B	1	Later Committee
3 cm	-	C	D
	30 cm	300 cm	3000 cm

9. The value of x in the equation  $\frac{x}{2} - 3 = 9$  is

IL.	0111	2	Mary Control of Control
TA	TR	C	D
14	24	18	12
The second contract of the second	CALL STREET, S		the second secon

10. Simplifying the fraction  $\frac{3}{5} - \frac{1}{3}$  gives

IA	B	C	D
A 3	2	4	1
15	15	15	15

11 The value of n in  $2^n \times 2^{-4} = 2^{10}$  is

A	В	C	D
16	-14	-6	14

12. The degree of the expression  $(2x^2 + 4)(x + 1)$  is

A	B	C	D
2	3	1	4
	A TOTAL OF THE SECOND		1777 1870 发光的一块中

13. The solution of the simultaneous equation 2x + y = 0

x-y=3 is		
A	$S = \{(1, -2)\}$	1273215 44-7
В	$S = \{(1,2)\}$	
C	$S = \{(-1,2)\}$	
D	C-(( 1 2))	とうして、そので、記として3年を分別を使われること

14. If v = 4i - 3i and w = 2i + 5i Then 3v + w is

T. 11 V -	- Ti - Sj allu W -	LITSJ. Then 30 + W IS
A	-14i+4j	
В	14i + 4j	
C	14i-4j	
D	-14i-4j	

15. The value of 3 in the number 3467 5 is

A	Three thousandths
В	Three hundredths
C	Three thousand
D	Three hundred

16. Given A = 2i + j. The direction of A to 2 decimal

place	s is	
A	26.57°	The state of the s
В	26.56°	10 10 10
C	63.43°	
D	63.44°	The County of th

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## 17. The mean of the distribution is

Marks (x)	3	15	10
Frequency (f)	5	12	1
1	12	12	4

A	В	IC	ID
3	5	- 2	10

## 18. The determinate of $\begin{pmatrix} 3 & 0 \end{pmatrix}$ is

- MONEY	(	2 1/13	
A	В	C	I D
3	1	2	0
3	I	2	0

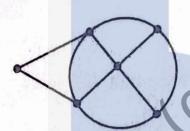
19. The common ratio of the sequence 32, 16, 8 and 4

A	B	C	ID.
2	1	4	1
La Strait	2		4

20. The gradient of the line joining the points

A = (-3, -4) and $B = (1, -2)$ is		
A B	C	D
1 3	-1	2

21.



The number of even nodes in the diagram above is

(are)			
A	В	C	D
2	4	6	1

22. John, a Builder leaves his house at 7:35am and uses 40 minutes to his construction site. At what time does he

reach	he construction site	and the A. Marine A. San and the Control of the Con
A	8:05am	
В	8:20am	
C	8:10am	The first state of the same
D	8:15am	

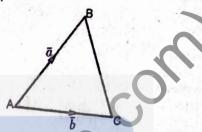
A	$(x) = x + 1. f^{-1}(x) = 1$  1 - x	Grand and committee continues
В	x-1	
C	-1-x	
D	-x+1	

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24.  $(2 \times 10^3)(6 \times 10^{-2})$  expressed in standard form is

State of the last	cxpressed in standard form is
A	$1.2 \times 10^{1}$
В	$1.2 \times 10^{-6}$
C	$1.2 \times 10^2$
D	$1.2 \times 10^5$

25.

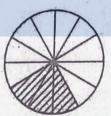


In the diagram above, the vector  $\overrightarrow{BC}$  is represented

in term	s of a and b by
A	$\bar{b} + \bar{a}$
B	$\bar{b} - \bar{a}$
C	$\bar{a} - \bar{b}$
D	$\bar{a} + \bar{b}$

. Expressu	ig v.os to a r	raction is	of Karnett Survival on the hill	116
A	В	C	D	
13	13	13	13	MAC.
100	25	65	20	

27.



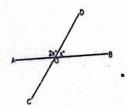
The diagram above is divided in to equal parts. The

shaded region is represented by				
A	В	C	D	
1	2	3	1	
7	2	1	3	

3/5

440/2/2025 VEIL

28.



In the diagram above, the lines AB and CD meet at O. The value of angle BOD is x° while that of angle

AOD is ZX	. The value	of x in degree	70 10
	B	C	D
A	000	60	100°
120°	80	60	100

29. Given that x = 4 and y = 3. The value of k if y is

A	В	C	D
1	6	3	2

30. A Technician is paid the sum of 20,000FCFA which is 20% less than the price that was agreed a piece of job. The amount that was agreed is

	siece of job. The amount that we	
A	22,000 FCFA	
В	28,000 FCFA	4 63 7
C	26,000 FCFA	
D	24,000 FCFA	

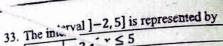
31. Simplifying  $\left(\frac{512}{3}\right)^{\frac{1}{3}}$ 

	ounputy mg	729/		All the September 12 was a set
Г	A	В	C	D
1	9	2	3	8
1	8	3	2	9

B

C

D

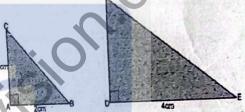


I he m	T-25 = 5	
R	$-2 < x \le 5$	
C	$-2 \le x < 5$	
D	-2 < x < 5	

The distance between the two points

ine distan	and $B(3, -$	1) is	
A(-2,3)	В	C	D
$\sqrt{41}$	3	√29	4

35.



Triangles ABC and DEF are similar. The ratio of

A	В	C	D
2:4	3:12	2:3	4:12

36.  $f: \mapsto -3x$  and  $g: \mapsto -2x$ . fg(x) is

A	В	C	D	Ċ
-6x	6x²	6x	$-6x^2$	100

37. Let  $\mu = \{1, 2, 3, ..., 20\}$ 

 $A = \{Multiples \ of \ 3\}$ 

 $B = \{Prime numbers\}$ 

 $C = \{Factors of 18\}$ 

 $A \cap B \cap C =$ 

A	В	C	D	
{3}	{1}	{2}	{6}	

38. If  $\alpha + \theta = 90^{\circ}$ , then  $\alpha$  and  $\theta$  are

A	Supplementary angles	172 2 7 5 1 5 1
B	Equal angles	
C	Corresponding angles	T CONTRACTOR
D	Complementary angles	Particular 1

In the right angled triangle XYZ above, the length 39. The coordinates where the graph of the function of the side XY is given by f(x) = (x - 2)(x + 1) such at

A	(-2,0) and $(0,-1)$
В	(-2, 0) and $(0, -1)$
C	(2,0) and (-1,0)
D	(2,0) and $(0,-1)$

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 $XY = \sqrt{XZ^2 - ZY^2}$ 

 $XY = \sqrt{-XZ^2 - ZY^2}$ 

 $XY = \sqrt{ZY^2 - XZ^2}$ 

 $XY = \sqrt{ZY^2 + XZ^2}$ 

40. If f(2) = 4. The value of b in f(x) = 3x - h is

	The Table	() ( III d 10 oc	J = 3x - b is
Α	В	C	D
-2	6	2	0
Principle of the Build.	THE RESIDENCE TO STATE OF THE PARTY.	· · · · · · · · · · · · · · · · · · ·	U

The probability that it will rain in a particular day is
 The probability that it will not rain is

Α .	В	C	D
1	3	4	2
5	5	5	=

42. The circumference of a circle is 44cm.

Using  $\pi = \frac{22}{7}$ , the radius is

A	В	C	D
22cm	11cm	2cm	7cm

43. If 4 sweets cost 100FCFA, how many sweets will be bought for 1.250FCFA?

A	В	C	D	3/10
50	20	25	30	2000

44. The roots of the equation (2x + 1)(x - 5) = 0 are

A	$x = -\frac{1}{2}, x = -5$	
В	$x = \frac{1}{2}, x = -5$	
C	$x = -\frac{1}{2}, x = 5$	
D	$x = \frac{1}{2}, x = 5$	_0

45. Making  $\pi$  the subject in the formular

2nrh	$+2\pi r^2$ is
A	A
В	$\frac{2rh + 2r^2}{A}$
C	$\frac{2rh-2r^2}{A}$
D	$-2r^2-2rh$
	$2r^2 - 2rh$

46. Which of the expressions below is always even given that x is an even number

A	3x+1	
В	3x-2	
C	3x + 1 $3x - 2$ $3x - 1$ $3x - 3$	
D	3x-3	

 $47 \sqrt{225}$  can be expressed as

V 443	call be expressed as
A	$5^2 \times 5^2$
В	5 <sup>5</sup> × 3 <sup>5</sup>
C	5 <sup>5</sup> × 3 <sup>2</sup>
D	$5^2 \times 3^2$

48. A transformation that rotates each point in the shape at a certain number of degrees around that

point	is called	A State of the State of State
A	Rotation	
B	Reflection	21110
C	Transformation	
D	Translation	

49.



The area of the cone above in terms of  $\pi$  is

A	B .	C	Ď	
240π	216π	160π	96π	

50. What is the range of the data 82, 89, 64, 78, 95,92, and 78?

and 70:				
A	В	C	D	
78	31	82	41	

END !!!

GO BACK AND CHECK YOUR WORK