YRIO - NON-CALCULATOR TEST

20 Marks

- Name:

 Answer each question in the space provided

 Show any working in each question

 Each question is worth one mark

 Calculators may not be used

	Question + working	Answer
1	50×700 =	- 1
•		1 1
		.]
. 2	What number is halfway between -2 and 4?	
: ,		
3	$\frac{2}{3} \times 1\frac{1}{4} =$	
' [3 4	
j		
·		
4	Find 15% of 3 metres	
		1
5	18+18 Telling 18+18	<u> </u>
	Find the value of $\frac{18+18}{18-9}$	
5 7	Verity left home at 7:43am to travel to work. Her trip takes 57 minutes.	
1	What time does she get to work?	· .
1		

1	Write a number in the box to give the expression a value between 1 and 2
	1 1 1 3
	8
7	
8	Find the sum 1+3+17+19+1+3+17+19+1+3+17+19
٠	
•	
9	Duding the State of the State o
>	Prudence thought of a number. After she doubled the number and subtracted
. '	5 the result was 33. What was the number she first thought of?
;	
10	What is the greatest number of 40¢ chocolates that Constance can buy with
•	\$7?
•	
11 ,	Faith has 43 smarties, Hope has 27 and Charity has 14.
- 1	Faith wants to share them equally. How many does Faith have to give away
- 1	so that all three girls have the same number of smarties?
]	
ĺ	<u>.</u> '
- 1	
.]	
}	
1.	
1	
. L	
-	

1	2	Write an algebraic expression for '2 less than three times x'	7,
	-		1
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
			1
•			ŀ
/·/ <u>1</u> :	3	Evaluate the expression $3a^2b$ when $a=-1$ and $b=2$	ļ.
		$\frac{\partial \mathcal{L}}{\partial x} = \frac{\partial \mathcal{L}}{\partial x} \text{with } x = \frac{\partial \mathcal{L}}{\partial x} \text{and } y = \frac{\partial \mathcal{L}}{\partial x}$	
	-		
	- 1		
		A	
-14	-	YVIII	
14		Which number in the box is:.	•
		Smaller than 420	
	1	AND greater than 220 450 351	•
		AND odd AND divisible by 9?	
٠.			٠.
		324 354	
•			
٠,		APP.	
15	ŧ	Using all of the numbers and all of the symbols below, write a correct	
	n	number sentence.	
	1	,3,4,8,+,-,=	
	1	1,100,000	
			٠
42-			
16	In	the following sequence of numbers:	`.
	Į		
	-7,	, 5, 1, 13, 9, 21, 17,, 25, 37,	
j	.Th	ne missing number is:	
. [-		
-			
	•		
<u>-</u> -	٠,		

17	Put the SAME number in the two boxes so that the statement is true:
	=27×3
18	
	The following pattern can be worked out for perfect squares:
	$1^2 = 1$
	$2^2 = 1 + 3$
	$.3^2 = 1 + 3 + 5$
. 1	4?=1+3+5+7
1	W
}	What is the expression for 9^2 ?
-	
- [
)	AT .
	Write down the smallest fraction you can make with the following numbers:
- -	3, 5, 11
1.	
- 1	
1	
1	
1	
1.	$x^3 + x^3 = \dots$
-	
7-	1
L	

20 Marks

Teacher: Mr. Maitland

	Question + working	Answer
1	50×700= 35000	
		35000
2	What number is halfway between -2 and 4? 1	
		1
	-2 -1 0 (2 3 4	
	$\frac{2}{3} \times 1\frac{1}{4} = \frac{z}{3} \times \frac{s}{4}$	
	3 4 3 4	\ <u>\</u>
	= 10	<u> </u>
	<u>\$</u>	6
	· • • • • • • • • • • • • • • • • • • •	
	Find 15% of 3 metres 151 700 300	
•		45cm
	300 45cm / 3010	
	15 00 300 45 00	
	10 10	ļ
	Find the value of $\frac{18+18}{18+0}$	
.	18-9 - 9	91/
	= 4	$k = V \setminus$
	31	` .
	= 9	
	Verity left home at 7:43am to travel to work. Her trip takes 57 minutes.	
	What time does she get to work?	
	60 8:40	8:40am
-	17 40	
-		`

.7	Write a number in the box to give the expression a value between 1 and 2	Z
	\$ 4\$ / 6 + 8	3 NS 4.1-4.3
8	Find the sum 1+3+17+19+1+3+17+19+1+3+17+19 20 20 20 20 20 20 20	
9 ,	Prudence thought of a number. After she doubled the number and subtracted 5 the result was 33. What was the number she first thought of?	
	$2a-5=33$ $\frac{19}{2a}$ $\frac{19}{2a}$ $\frac{19}{2a}$ $\frac{19}{2a}$	
	a = 19	
10	What is the greatest number of 40¢ chocolates that Constance can buy with \$7?	
	40 700 de 17	
11	Faith has 43 smarties, Hope has 27 and Charity has 14. Faith wants to share them equally. How many does Faith have to give away so that all three girls have the same number of smarties?	
	30 27 27 14 4 27 43 30 27 27 14 14 27 28 28 28 28 28 28 28 3) 84 28 15	>
- 1	Žų.	1

10	With the state of		_
12	Write an algebraic expression for '2 less than three times x'	• • • •	PA
•	3x-2		PAS 4.1-4.3
-	SX=A	. 17	<u>ل</u> ا (
		, .	
13	Evaluate the expression $3a^2b$ when $a = -1$ and $b = 2$	 	
	Statute the expression of a when a 2-1 and b = 2		
	3 ×(-1) × 2	6	1.1
	3×1×2 = 6	1	
14	Which number in the box is:	<u> </u>	ļ
7.	5.7		NS 4
	Smaller than 420 AND greater than 220 450 (351)	351	NS 4.1-4.3
•	AND odd AND divisible by 9?	1001	
,	324" 354"		
-15	Using all of the numbers and all of the symbols below, write a correct number sentence.	-	• • •
	at the		
	1,3,4,8,+,-,=	u+3=8-1	
	at PtD-L=	4.3.5	
	8-(3+4)=1	-	
	4+3=8-1	1,0	. ,.
16			i
	In the following sequence of numbers:		PAS 4
	-7, 5, 1, 13, 9, 21, 17, <u>29</u> , 25, 37,		1,4
	The missing number is:29	29	ω
		J	. , ·
	=	· ·	

17	Put the SAME number in the two boxes so that the statement is true:	Z
		NS 4.1-4.3
	$\begin{vmatrix} 9 & 9 \end{vmatrix} = 27 \times 3$	5
	$ 9 \times 9 = 27 \times 3$	
	81	,
7.		1.
		•
18		
,,,	The following pattern can be worked out for perfect squares:	Į.
•		PAS 4.3-4.3
	$1^2 = 1$	I.
	$2^2 = 1 + 3$	Li,
	1 .	• 1
•	$3^2 = 1 + 3 + 5$. '
	$4^2 = 1 + 3 + 5 + 7$	•
•		Ī
	What is the expression for 9 ² ?	
	1+3+5+7+9+11+13+15+17	-
	143424144444	
		· .
10		
19	Write down the smallest fraction you can make with the following numbers:	. 1
	3, 5, 11	
	3,3,11	
		1
·		
20		
	$x^3 + x^3 = \dots 27$	
	2	\$
		1
		1
,	· · · ·	