education

Department of Education
FREE STATE PROVINCE

SURNAME:			___ 50
NAME:			
SCHOOL:			_____%
GRADE 7 _____	**BOY (MARK WITH X)**	**GIRL (MARK WITH X)**	**LEVEL: ___**

Question	1	2	3	4	5
Total marks	**10**	**7**	**8**	**11**	**14**
Marks Obtained					

GRADE 7

MATHEMATICS MOCK PAPER 1

NOVEMBER 2025

MARKS: 50

TYD: 90 MINUTES

This question paper consists of 9 pages.

INSTRUCTIONS	
1.	Read ALL the questions carefully.
2.	Answer ALL the questions in the spaces or frames provided.
3.	ALL calculations must be shown on the question paper.
4.	You are NOT allowed to use a calculator.
5.	You may use any mathematically correct method.
6.	Write neatly and legibly.

QUESTION		
1.1	Arrange the following numbers in descending order. 526 899 798 ; 526 899 789 ; 526 899 899 ; 526 899 799 ; 526 899 869 _____ _____	(1)
1.2	Find the sum of the first five prime numbers. _____	(1)
1.3	Calculate the product of 4121 and 113.	(2)
1.4	Calculate: $16 \times 5 - 80 \div 2 + 8$	(2)

1.5 Two trains leave for a destination at the same time. Train A travels at 40*km/h* and train B at 50*km/h*. If the destination is 200 *km* away, which train will reach the destination first? How many hours ahead of the other train will it arrive? (4)

[10]

QUESTION 2

2.1 Complete the following table. (2)

Decimal fraction	Common fraction	Percentage
0,03	$\frac{3}{100}$	2.1.1_____
2.1.2 _____	$\frac{5}{10}$	50%

2.2 Calculate the following. Write the answer in its simplest form. (3)

$2\frac{3}{7} - 1\frac{1}{2} =$

2.3 Complete the table

Number	1	2	5	2.3.2_____	25
$\times 3 \times 4$	10	20	2.3.1_____	120	300

(2)

[7]

QUESTION 3

3.1 Write the value of the underlined digit in 759,18 (1)

_____

3.2 Round off 15,876 to two decimal places. (1)

_____

3.3 5 tenths of a board measures 150*mm*. Calculate the length of the board. (2)

3.4 Lesego eats $\frac{2}{6}$ of a loaf of a bread on Monday and $\frac{1}{2}$ of what is left on Tuesday. (2)

What fraction of the loaf is left on Wednesday?

3.5	Amy uses $3\frac{3}{4}$ m of material to make a jacket. The cost of the material is R49 per meter. How much does it cost Amy to buy the material to make the jacket?	(2)
		[8]

QUESTION 4

4.1	Simplify the following and show all your steps: $\sqrt[3]{1000} + \sqrt{169} - 5^2 + 155 \div (\sqrt{4} + \sqrt{9})$	(4)
4.2	Order the following numbers in ascending order. 263; −561 ; −513 ; 274 ; 189 ; 0 ; −11 _____; _____; _____; _____; _____; _____	(1)
4.3	List all the integers from the numbers below: 2,5 ; −5 ; 0,25 ; $\frac{7}{9}$; 250 ; 17 ; 0 ; −17 _____	(1)

4.4	Calculate: $46 - 79 + (-11) + (-86)$	(2)
4.5	If the maximum temperature is 43°C and the temperature drops by 17°C the next day, what is the temperature the next day?	(1)
4.6	Write the word sentence as a number sentence and calculate the answer. *The product of the first 3 prime numbers.*	(2)
		[11]

QUESTION 5

5.1 Study the table below and answer the questions that follow.

Position	1	2	3	4	B
Terms	1	4	9	A	25

5.1.1 What is the value of A? (1)

_____

5.1.2 What is the value of B? (1)

_____

5.1.3 Write down the general rule to find any term value when given the value of the position. (1)

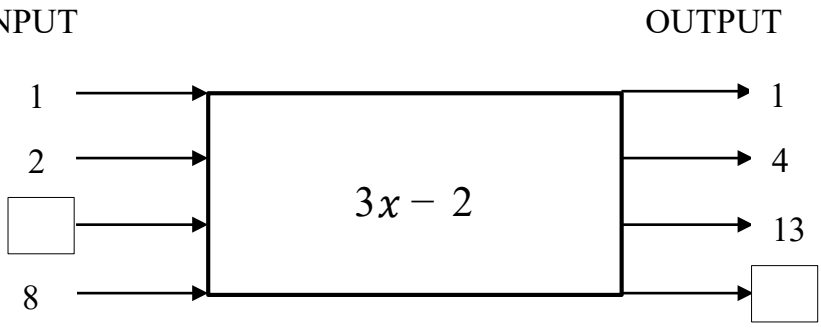
_____

5.1.4 Use your rule to work the values of the term when the value of the position is 11. (1)

_____

_____

5.2 Complete the following flow diagram and give the value missing input and output. (2)



5.3		Study the table below and answer the question. | x	1	2	3	4
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y	5	10	15	20		
	5.3.1	Describe the relationship of x and y in your own words: _____ _____ _____	(1)
5.4		Fill in the missing blocks in the grid. Each row, column and diagonal must add to -18. 	-3	-10	5.4.1 _____
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-8	5.4.2 _____	-4
-7	5.4.3 _____	-9		(3)
5.5		Complete the pattern:	
	5.5.1	27 698; 27 688; 27 678; _____	(1)
5.6		Andrew earns R2800 per month. How much does he earn per year?	(2)
			[14]
			TOTAAl: [50]