

MATHEMATICS

GRADE FOUR

Unit Title: ALGEBRA

Term: TWO

Unit: FOUR

Duration: TWO WEEKS

FOCUS QUESTION: How can I use variables to represent unknown numbers?

ATTAINMENT TARGET	OBJECTIVES	KEY VOCABULARY/ CONCEPTS
<ul style="list-style-type: none">• Explain the meaning and use of simple formulae	<p>At the end of this unit, pupils will:</p> <ul style="list-style-type: none">• Write n-sentences for problems• Identify the correct operation to be used in solving a problem• Find replacements for variables that make number sentences true• Demonstrate the principle of substitution in simple formulae	Variable Number sentence Solution Substitute Substitution

ACTIVITY PLAN

Focus Question. How can I use variables to represent unknown numbers?

PROCEDURES/ACTIVITIES	SKILLS	ASSESSMENT
<p>Pupils will:</p> <ol style="list-style-type: none"> 1. Talk about and explain word problems that involve simple variables as in RU - "Collections 3 - 6", ch 7 'Billy and the Pencils' pp 85 - 93. 2. Write word problems for equations; write stories for equations; write stories giving Extra information; reason through word problems from textbooks; decide on Operations required and write problems from labels as outlined on p 93 in "Collections 3 - 6". 3. Write about the possible values of $n + 6$ (or any other expression) by listing values of N and $n + 6$ in an extended table. 4. Solve and write simple equations as on pp 15, 98 and 128 in "Caribbean Primary Mathematics" - Level 4. 	<ul style="list-style-type: none"> • Explaining n-sentences • Reasoning and writing n-sentences • Substituting values • Solving simple equations 	<ul style="list-style-type: none"> • Written and oral explanations • Problems posed • Completed stories • Tables of variables and expressions • Solutions of simple equations
<p><u>Evaluation:</u></p> <p>Were pupils able to:</p> <ul style="list-style-type: none"> • Express their reasoning orally and in writing when faced with an n-sentence? • Pose problems involving n-sentences? • Write stories, construct tables and otherwise interpret n-sentences? • Solve problems involving simple equations? 	<p><u>Materials/Resources:</u></p> <p>"Collections 3 - 6" "Caribbean Primary Mathematics" - Level 4</p>	