





ALGEBRA

A. Select the correct answer.	
1. Which verbal expression does n	not match the algebraic expression 11x?
a. x multiplied by 11	c. 11 more than x
b. 11 times x	d. the product of 11 and x
2. Which of the following is an equa	ation with a variable
a. 7 + 6 = 12	c. 7a > 12
b. a + 7 = 12	d. 7a+ 2 < 12
B. Find the solutions to these very sh	ort-answer type questions.
1. Fill in the blanks.	
i. A quantity which can take various numerical values is called a	
ii. The algebraic expression for t	wo numbers a and b, when their product is added
to one-half of their sum is	
iii. The mathematical operation ne	eeded to write an algebraic expression 3 less thar
a number is	
2. Find the rule for the number of m	natchsticks required to form the following
matchstick patterns.	
	ii.

- C. Find the solutions to these long-answer type questions.
 - 1. Identify the equations and solve them

i.
$$9x - 4$$

ii.
$$8 \times 9$$
- $(15 \times 4) = 12$

iv.
$$6x 1 = 2x + 1$$

2

2. Write a generalised statement for the following pattern formed by matchsticks.

