

GCSE Maths worksheet 17

Name _____

Group _____

Don't use a calculator. Do all your working on this sheet. Answer all the questions.

1	Hermione is N years old. Bertha is three years older than Hermione. Write down a formula for Bertha's age in years.	
2	Nigella is P years old. Mkose is twice the age of Nigella. Write down a formula for Mkose's age in years.	
3	Alan is X years old. Kurt is twice the age of Alan. Alonso is 10 years younger than <u>Kurt</u> . Write down a formula for <u>Alonso's</u> age.	
4	Harinder has S sweets. Babita has twice as many sweets as Harinder. Shaheeda has 10 less sweets than Harinder has. a) Write a formula for the total number of sweets. b) There are 50 sweets in total, how many does Harinder have?	

5	<p>Below is a number sequence</p> <p>4, 7, 10, 13...</p> <p>a) Write down the next two terms in the sequence</p> <p>b) Write a phrase explaining the term to term rule</p>	
6	<p>Below is a number sequence</p> <p>5, 9, 13, 17</p> <p>Write down a formula for the nth term of the sequence.</p>	
7	<p>Below is a number sequence</p> <p>2, 8, 14, 20</p> <p>Write down a formula for the nth term of the sequence.</p>	
8	<p>Below is a number sequence</p> <p>12, 15, 18, 21</p> <p>a) What is the 1000th term in the sequence?</p> <p>b) Is 152 a number in the sequence? How would you prove that using algebra?</p>	