**Construct Expressions, Formula and Equations - Basics**

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| Name : | Class : | Date : |

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| **1)** Write an algebraic expression for the sentence below (use the letter ***n*** to represent the missing number):      a) *Triple a number*     b) *Double a number and add 7* | [2]   |
| **2)** Pears cost  $x$ pence each. Write down a formula for  $T$ if the cost of 11 Pears is  $T$ pence.       | [1]   |
| **3)** Write a formula using the letters and numbers given below:       *A number*$A$ *is equal to the difference of a number*$y$ *and the square of*$z$*.* | [1]   |
| **4)** Using the letter ***n***, write an equation to represent the following:       *I'm thinking of a number. I double it then add 3 and get an answer of 5.* | [1]   |
| **5)** a) Using the letter ***n*** to represent the missing number, write an equation for the following:      *I'm thinking of a number. I triple it then subtract 5 and get an answer of 13.*b) Solve your equation to find the missing number | [1]   |

**Solutions for the assessment Construct Expressions, Formula and Equations - Basics**

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| **1)**  a) 3 $n$ |      b)  $2n+7$ |
| **2)**  $T=$ $11x$ | **3)**  $A$ =  $y-z^{2}$ |
| **4)**  $2n+3=5$ | **5)** a)  $3n-5=13$, b)  $n$=6 |