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

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| **1)** Write an algebraic expression for the sentence below (use the letter ***n*** to represent the missing number):      a) *Subtract 5 from a number*     b) *Double a number and add 4* | [2]   |
| **2)** I start a game with  $x$ marbles and lose  $z$ marbles. Write down a formula for the number,  $W$, of marbles that I finish with.       | [1]   |
| **3)** Write a formula using the letters and numbers given below:       *A number*$T$ *is equal to the product of two number*$a$ *and*$d$*.* | [1]   |
| **4)** Using the letter ***n***, write an equation to represent the following:       *I'm thinking of a number. I double it then subtract 2 and get an answer of 8.* | [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 subtract 2 from it and get an answer of 6.*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)  $n-5$ |      b)  $2n+4$ |
| **2)**  $W=$ $x-z$ | **3)**  $T$ =  $ad$ |
| **4)**  $2n-2=8$ | **5)** a)  $n-2=6$, b)  $n$=8 |