**Directed Numbers - Add, Subtract, Multiply, Divide**

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| Name : | Class : | Date : |

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| --- | --- | --- |
| Mark : | /12 | % |

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| --- | --- |
| **1)** Work out      a) (-2)  $+$ 8      b) (-9)  $-$ ( - 2 )     c) (-6)  $+$ ( - 8 ) | [9]   |
|      d) (-4)  $-$ ( - 9 )     e) (-9.5)  $-$ ( - 6.5 )     f) (-5)  $×$ 6  |  |
|      g) (-12)  $÷$ 4      h) 1  $×$ ( - 8 )     i) (-87.125)  $÷$ 10.25  |  |
| **2)** Order the following temperatures from coldest to warmest       9, 8, -8, -12 | [1]   |
| **3)** A turtle is 12 metres below sea level. A hang glider is directly above the turtle and 656 metres above sea level. Find the vertical distance between the turtle and the hang glider.       | [1]   |
| **4)** Eli recorded the temperature in degrees celcius at 8 am outside his house on the 1st of each month for 6 consecutive months.

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| Month | November | December | January | February | March | April |
| Temperature |  $-2$ |  $-9$ |  $-10$ |  $4$ |  $10$ |  $11$ |

 |  |

Work out
a) the highest temperature

b) the lowest temperature

c) the difference in temperature between the 1st of December and the 1st of April

[1]

**Solutions for the assessment Directed Numbers - Add, Subtract, Multiply, Divide**

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| **1)**  a) 6 |      b) -7 |
|      c) -14 |      d) 5 |
|      e) -3 |      f) -30 |
|      g) -3 |      h) -8 |
|      i) -8.5 | **2)** -12, -8, 8, 9 |
| **3)** 668 m | **4)** a) highest = 11 °Cb) lowest = -10 °Cc) difference = 20 °C |