**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.   |  | | --- | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Month | November | December | January | February | March | April | | Temperature |  |  |  |  |  |  | |  |

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 °C b) lowest = -10 °C c) difference = 20 °C |