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

|  |  |  |
| --- | --- | --- |
| Name : | Class : | Date : |

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

|  |  |
| --- | --- |
| **1)** Work out       a) 5   ( - 5 )       b) 8   ( - 1 )       c) 3   ( - 4 ) | [9] |
| d) (-6)   5       e) (-4.25)   ( - 5.25 )       f) 2   ( - 8 ) |  |
| g) 63   ( - 9 )       h) 54   ( - 9 )       i) (-19.125)   8.5 |  |
| **2)** Order the following temperatures from coldest to warmest         10, -14, -17, 0 | [1] |
| **3)** A fish is 75 metres below sea level. A bird is directly above the fish and 887 metres above sea level. Find the vertical distance between the fish and the bird. | [1] |
| **4)** Leo recorded the temperature in degrees celcius at 7 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**

|  |  |
| --- | --- |
| **1)**  a) 0 | b) 9 |
| c) -1 | d) -11 |
| e) 1 | f) -16 |
| g) -7 | h) -6 |
| i) -2.25 | **2)** -17, -14, 0, 10 |
| **3)** 962 m | **4)** a) highest = 13 °C b) lowest = -10 °C c) difference = 20 °C |