**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) 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.

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| Month | November | December | January | February | March | April |
| Temperature |  $5$ |  $-8$ |  $-10$ |  $3$ |  $13$ |  $12$ |

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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) 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 °Cb) lowest = -10 °Cc) difference = 20 °C |