**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) (-3)  $+$ 5      b) (-5)  $-$ 5      c) (-1)  $+$ 5  | [9]   |
|      d) (-5)  $+$ ( - 10 )     e) (-1.25)  $-$ ( - 7.25 )     f) 2  $×$ ( - 5 ) |  |
|      g) (-35)  $÷$ 7      h) (-10)  $×$ 1      i) (-8.5)  $×$ ( - 9.5 ) |  |
| **2)** Order the following temperatures from coldest to warmest       5, -8, -20, -18 | [1]   |
| **3)** A jellyfish is 66 metres below sea level. A plane is directly above the jellyfish and 357 metres above sea level. Find the vertical distance between the jellyfish and the plane.       | [1]   |
| **4)** Alfie recorded the temperature in degrees celcius at 6 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 |  $1$ |  $-7$ |  $-9$ |  $5$ |  $12$ |  $13$ |

 |  |

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) 2 |      b) -10 |
|      c) 4 |      d) -15 |
|      e) 6 |      f) -10 |
|      g) -5 |      h) -10 |
|      i) 80.75 | **2)** -20, -18, -8, 5 |
| **3)** 423 m | **4)** a) highest = 13 °Cb) lowest = -9 °Cc) difference = 20 °C |