Directed Numbers

Name:	Class:	Date:

Mark	/ 15	%

1) Work out [12]

a) -2 + 10

b) 1 × - 1

c) 4 − 8

d) - 32 ÷ 8

e) 9 + - 8

f) -1 × 2 × 3

g) 9 − + 4

h) - 9 ÷ - 9

i) 3.75 − 6.75

j) -1 + 2 + 7

k) - 9 × - 3

l) 7.875 ÷ - 5.25

2) Order the following temperatures from coldest to warmest [1]

7, -11, 0, 6

3) A whale is 88 metres below sea level. A plane is directly above the whale and 472 metres above sea level. Find the vertical distance between the whale and the plane.

[1]

4) Francisco recorded the temperature at 5 am outside his house on the 1st of each month for 6 consecutive months.

Month	Temperature
November	− 1 °C
December	− 9 °C
January	− 6 C
February	− 4 C
March	12 °C
April	15 °C

Work out

a) the highest temperature °C

b) the lowest temperature °C

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

[1]

Solutions for the assessment Directed Numbers

1) a) 8

b) -1

c) -4

d) -4

e) 1

f) -6

g) 5

h) 1

i) -3

j) 8

k) 27

l) -1.5

2) -11, 0, 6, 7

3) 560 m

4) a) highest = 15°C
b) lowest = -9°C
c) difference = 24°C