Directed numbers

Name:	Class:	Date:

Mark	/ 15	%

1)   -7 + 5 [ ]   [1]

2)   -7 − 9 [ ]   [1]

3)   -6 + - 8 [ ]   [1]

4)   -3 − + 6 [ ]   [1]

5)   -9 -9 -10 [ ]   [1]

6)   - 7 × - 4 [ ]   [1]

7)   6 × - 9 [ ]   [1]

8) 9 × - 3 ⬚ [1]

9) - 2 ÷ - 2 ⬚ [1]

10) 8 ÷ - 4 ⬚ [1]

11) 18 ÷ - 2 ⬚ [1]

12) -5 × -2 × -3 ⬚ [1]

13) A fish is 69 metres below sea level. [1]
A cloud is directly above the fish and 817 metres above sea level.

Find the vertical distance between the fish and the cloud. ⬚

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

5   -19   -12   -14

⬚ ⬚ ⬚ ⬚

coldest   warmest

15) Derek recorded the temperature at 7 am outside his house on the 1st of each month for 6 consecutive months.

Month	Temperature
November	9 °C
December	− 7 °C
January	− 6 C
February	− 2 C
March	15 °C
April	13 °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) -2

2) -16

3) -14

4) -9

5) -28

6) 28

7) -54

8) -27

9) 1

10) -2

11) -9

12) -30

13) 886 m

14) -19, -14, -12, 5

15) a) highest = 15°C
b) lowest = -7°C
c) difference = 20°C