

Directed Numbers

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

Mark	/ 15	%
------	------	---

1) Work out [12]

a) $-2 + 10$

b) 1×-1

c) $4 - 8$

d) $-32 \div 8$

e) $9 + -8$

f) $-1 \times 2 \times 3$

g) $9 - +4$

h) $-9 \div -9$

i) $3.75 - 6.75$

j) $-1 + 2 + 7$

k) -9×-3

l) $7.875 \div -5.25$

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