

Directed numbers

Name:

Class:

Date:

Mark

/ 15

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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) $-2 \div -2$ [1]

10) $8 \div -4$ [1]

11) $18 \div -2$ [1]

12) $-5 \times -2 \times -3$ [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