

Unit 4: Directed Numbers

1. M/J 16/P12/Q5

The table shows some information about the temperatures in a city.

Date	Maximum temperature	Minimum temperature
1 February	-10°C	$T^{\circ}\text{C}$
1 March	4°C	-5°C

(a) Find the difference between the maximum and minimum temperatures on 1 March. [1]

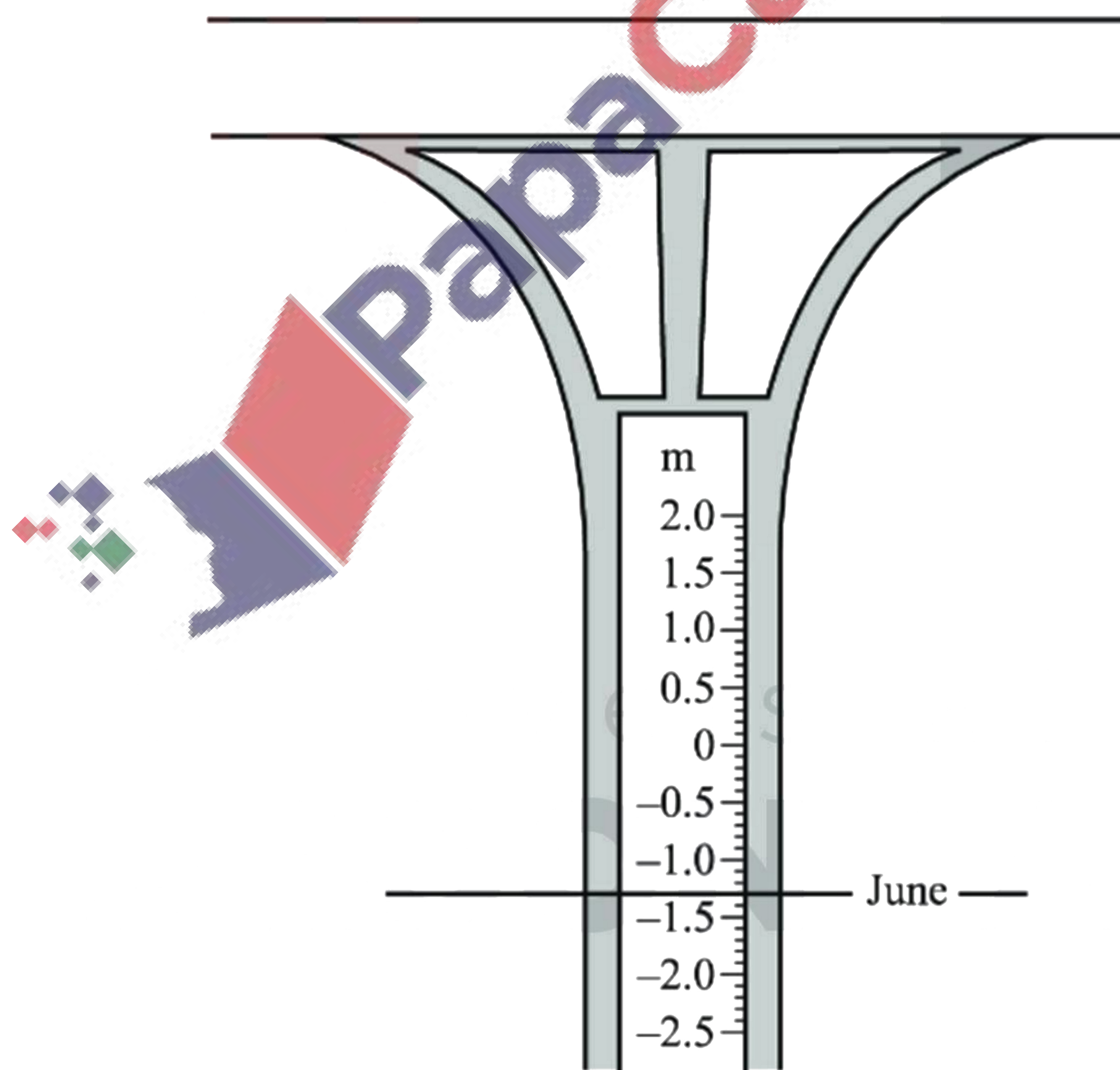
(b) The minimum temperature, $T^{\circ}\text{C}$, on 1 February was 13 degrees lower than the minimum temperature on 1 March.
Find T . [1]

2. M/J 14/P11/Q10/a

(a) One morning the temperature was 5°C .
By the evening the temperature had dropped 9°C .
Write down the temperature in the evening. [1]

3. M/J 13/P12/Q7

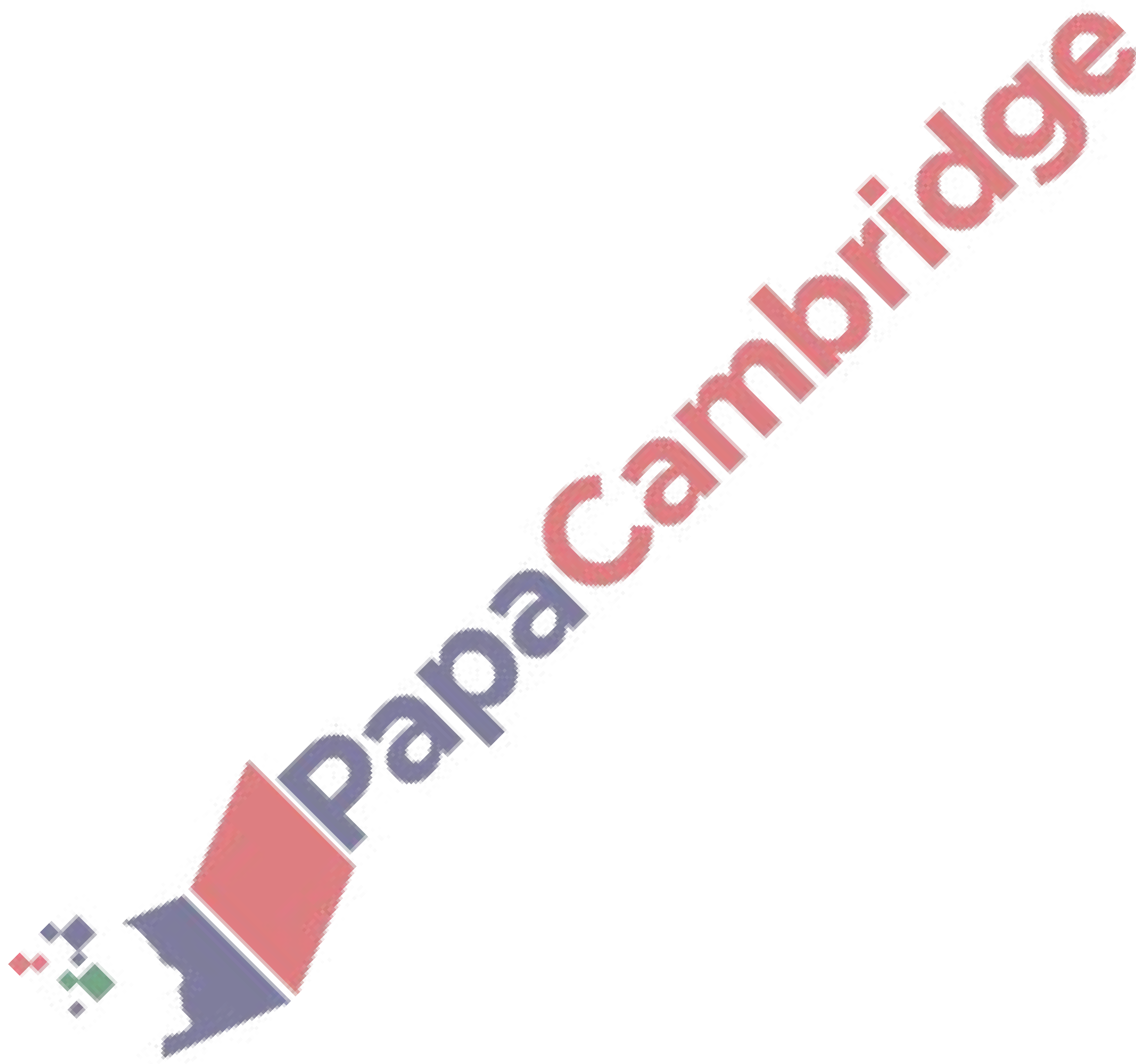
The diagram shows a scale used to measure the water level in a river.



The table shows the reading, in metres, at the beginning of each month.

Month	January	February	March	April	May	June	July
Reading (m)	0.8	1.2	1.3	0.5	-0.1		-1.9

- (a) The diagram shows the water level at the beginning of June.
Complete the table with the June reading. [1]
- (b) Work out the difference between the highest and lowest levels shown in the table. [1]
- (c) The August reading was 0.4 m higher than the July reading.
Work out the reading in August. [1]



Answers Section**1. M/J 16/P12/Q5**

- (a) 9 1
(b) -18 1

2. M/J 14/P11/Q10/a

- (a) -4 1

3. M/J 13/P12/Q7

- (a) -1.3 1
(b) 3.2 1
(c) -1.5 1

