



Name: .....

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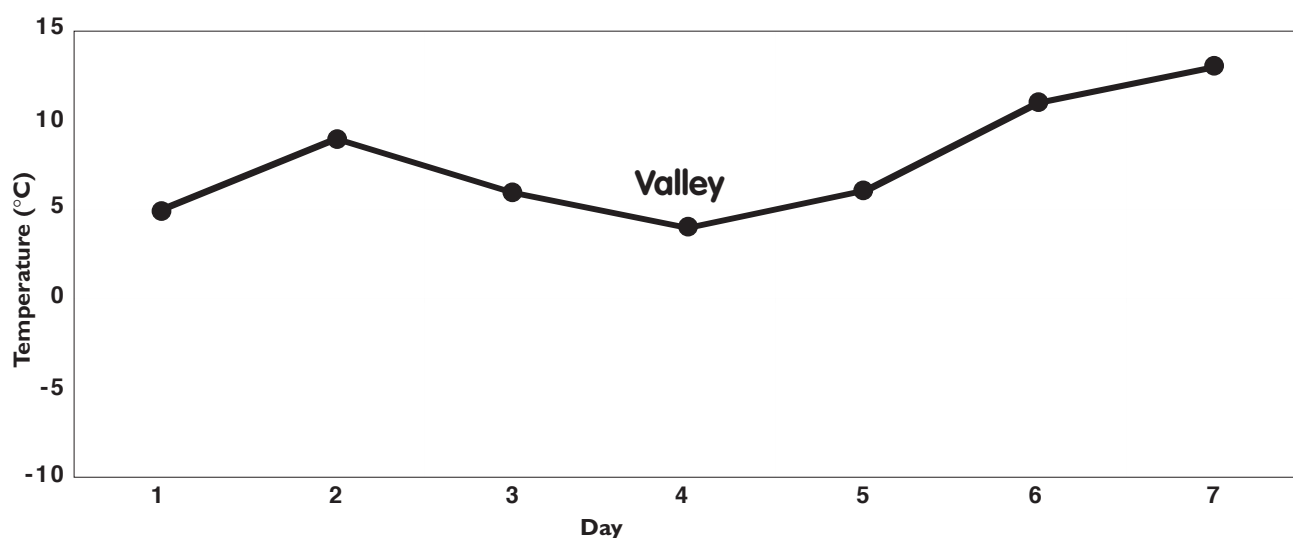
See **pages 20 and 21** of The Mountain Book

# Mountain weather in the Welsh Mountains

How does the temperature vary during a month? Find out from the figures below.

These figures are average temperatures from two weather stations on the slopes of Snowdon for the first week of March 2000.

Day	Summit 1085 m	Valley 105 m
1	-6	5
2	-2	9
3	-6	6
4	-8	4
5	-5	6
6	0	11
7	2	13



**Q1.** The temperature line for the valley has been drawn for you. Draw a temperature line for the summit station.

**Q2.** Which of the weather stations is coldest?



.....

**Q3.** How many days were below freezing at the summit during the week?



.....

**Q4.** How many days were below freezing in the valley during the week?



.....

**Q5.** Write a sentence comparing the temperatures on the summit and in the valley.



.....

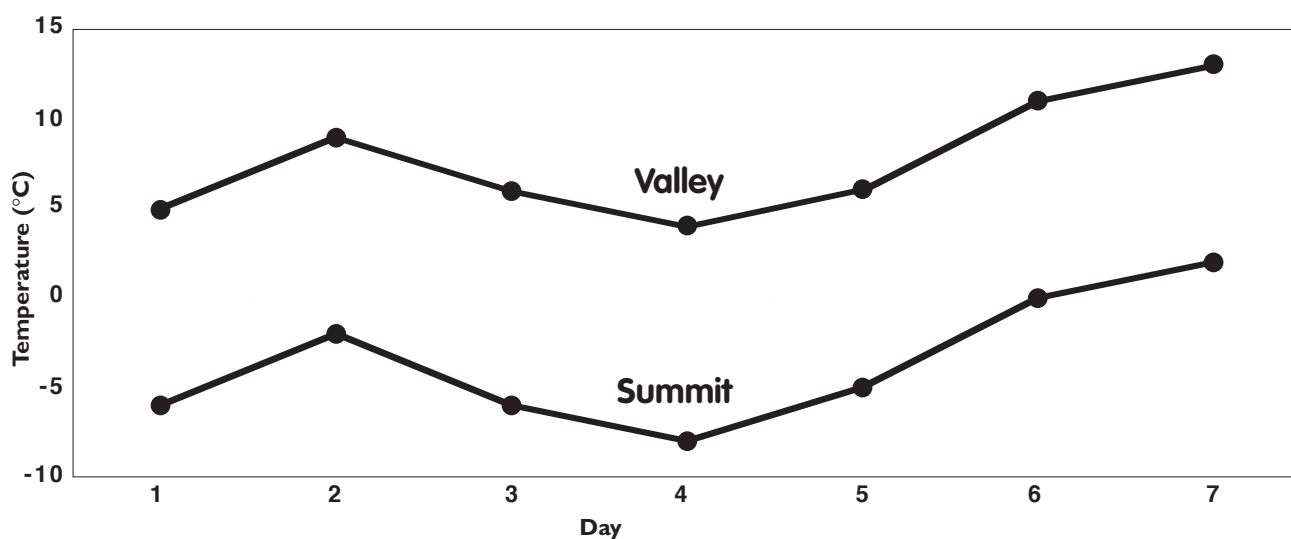
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## Answers

## Notes

*This data is based on material that comes from First Hydro at:  
<http://www.electricmountain.co.uk/weather>  
 There is also a livecam at this site.*

1. See chart below.



2. Summit.

*You could also use the data to discuss the variability of the weather from day to day.*

3. 5

*You could go on to discuss the fact that, for example, places with more frosty days have more rocks broken off by frost shatter, and may also have more ice on footpaths, and so be more hazardous for walkers.*

4. 0

5. It is much colder on the summit than in the valley. It is much frostier on the summit than in the valley.

*ICT: The data are more fully interpreted on the web site under 'In-depth... for projects' or on The Mountain and Volcano Project CD. Go to Welsh Mountains and click on Weather.*