Weather at Thredbo

Focus

To place values that represent different temperatures at a mountain resort along a number line

You will need

- coloured pencils
- ruler

What to do

Winter

Summer

Mt Kosciuszko in Australia is home to Thredbo: a beautiful mountain retreat where both summer and winter are special. Shown here are the average maximum and minimum temperatures each month. This data was collected over 37 years and has been rounded to the nearest whole number.

	Average maximum temperature (rounded)											
Month	J	F	M	A	M	J	J	A	S	O	N	D
°Celsius	21	21	18	14	10	7	5	7	10	13	16	19

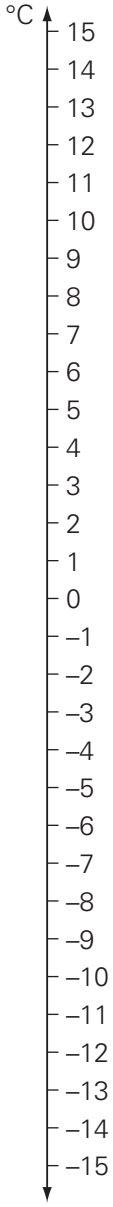
	Average minimum temperature (rounded)											
Month	J	F	M	A	M	J	J	A	S	O	N	D
°Celsius	7	7	5	1	0	−2	−4	−3	−1	2	4	5

(continued)

Teacher Dashboard Year 8 © Oxford University Press 2025. This sheet may be photocopied for non-commercial classroom use.

Activity sheet 16

1 Trace the number line at right into your workbook.



2 Copy and complete the following using the symbols > or <.

a Circle the temperatures for April in orange. 1____14

b Circle the temperatures for May in blue. 10____0

c Circle the temperatures for June in purple. –2____7

d Circle the temperatures for July in yellow. 5____–4

e Circle the temperatures for August in pink. 7____–3

f Circle the temperatures for September in red. –1____10

3 What is the warmest average temperature at Thredbo?

4 What is the coldest average temperature at Thredbo?

5 Can you represent the maximum and minimum temperatures for January and December on this number line? Explain.

Going further

6 The data for average minimum temperature without rounding is shown in the table below.

Trace the number line into your workbook again. Mark × at each place where you estimate the temperature to be represented.

	Average minimum temperature (actual)											
Month	J	F	M	A	M	J	J	A	S	O	N	D
°Celsius	7.1	6.9	4.5	1.4	–0.4	–2.4	–3.9	–2.5	–0.5	1.7	3.7	5.3

Teacher Dashboard Year 8 © Oxford University Press 2025. This sheet may be photocopied for non-commercial classroom use.