

Year 6 - Revision—Number and Place Value # calculating with negative numbers problem solving

Complete each of the test questions taken from previous test papers.

This weather chart shows the highest and lowest temperatures in a town on five days in March.

	Temperature °C	
	highest	lowest
Monday	+7	0
Tuesday	+7	-2
Wednesday	+8	-2
Thursday	+9	+1
Friday	+4	-5

Which day has the greatest difference between the highest and the lowest temperatures?

10 (Wednesday)

1 mark

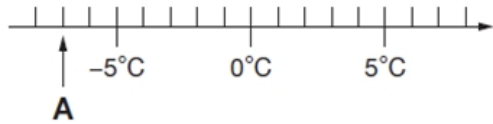
What is the difference between the lowest temperatures on Thursday and Friday?

Difference between -5 and 1

6 degrees

1 mark

Here is part of a temperature scale.



What is the temperature shown at **A**?

-7 °C

1 mark

What temperature is 20 degrees **higher** than **A**?

-7 + 20 = 13 degrees

Put these temperatures in order, starting with the **lowest**.

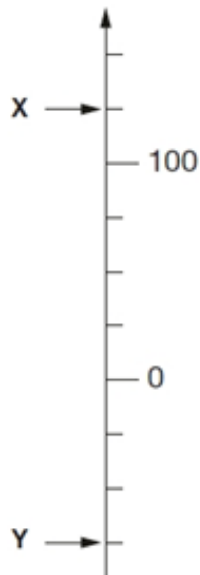
21°C -13°C -24°C 0°C 35°C

-24 °C	-13 °C	0 °C	21 °C	35 °C
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lowest

1 mark

Here is part of a number line.



The scale is going in jumps of 25

What is the value of X?

X =

1 mark

What is the value of Y?

Y =

1 mark

10

Here are the temperatures in four cities at midnight and at midday.

City	Temperature	
	At midnight	At midday
Paris	-4°C	-2°C
Oslo	-13°C	-7°C
Rome	3°C	10°C
Warsaw	-6°C	2°C

At **midnight**, how many degrees colder was Paris than Rome?

The difference between -4 and 3

7 degrees

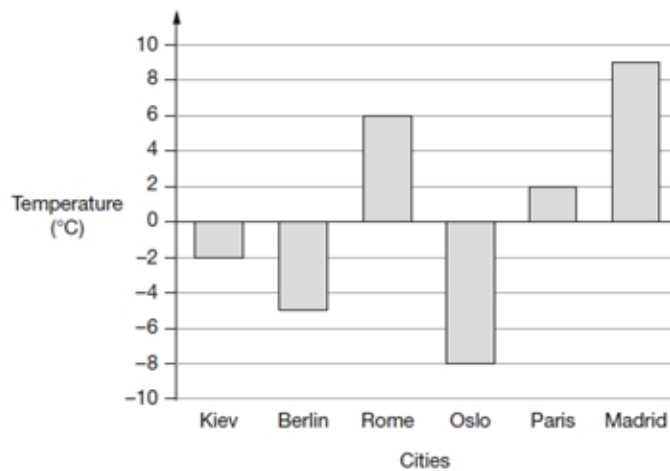
1 mark

Which city was 6 degrees colder at midnight than at midday?

Oslo

1 mark

This graph shows the temperature in six cities on one day in January.



Which city was 4 degrees warmer than Kiev?

4 degrees warmer than -2

Paris

1 mark

What was the difference between the temperature in Oslo and the temperature in Berlin?

Difference between -8 and -5

3 °C

1 mark