

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?

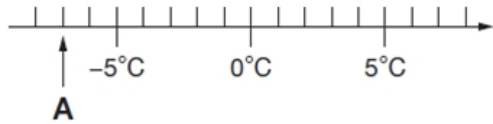
_____ 1 mark

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

degrees

1 mark

Here is part of a temperature scale.



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

°C

1 mark

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

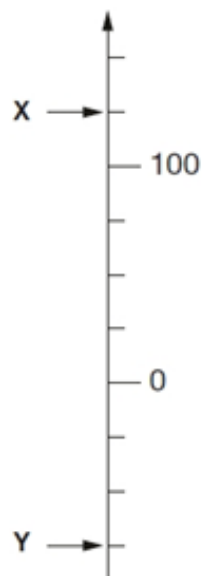
Put these temperatures in order, starting with the **lowest**.

| | | | | |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 21°C | -13°C | -24°C | 0°C | 35°C |
| <input type="text"/> °C | <input type="text"/> °C | <input type="text"/> °C | <input type="text"/> °C | <input type="text"/> °C |

lowest

1 mark

Here is part of a number line.



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 |

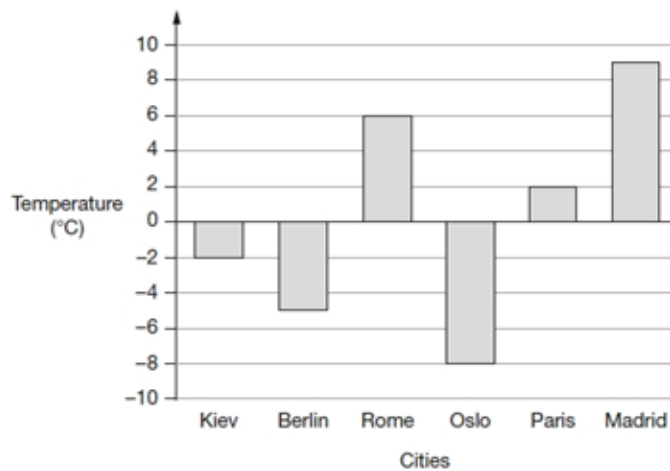
At **midnight**, how many degrees colder was Paris than Rome?

1 mark

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

1 mark

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



Which city was 4 degrees **warmer** than Kiev?

1 mark

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

1 mark