NEGATIVE NUMBERS

CONTENT DOMAIN REFERENCES:
4N5, 5N5, 6N5

1

[2015]

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

21°C   −13°C   −24°C   0°C   35°C

| °C | °C | °C | °C | °C |

lowest

[1 mark]

2

[2016S]

Here is part of a number line.

Write the missing numbers in the boxes.

+7   +7

| | −5 | |

[1 mark]

3

[New]
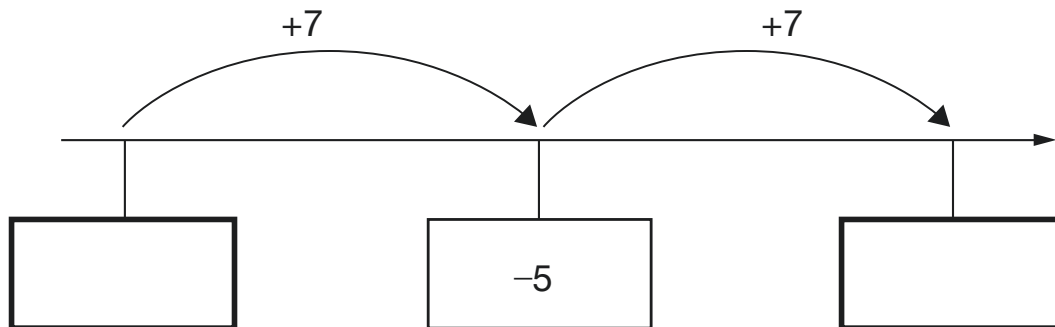
Here is part of a temperature scale.

−5°C   0°C   5°C

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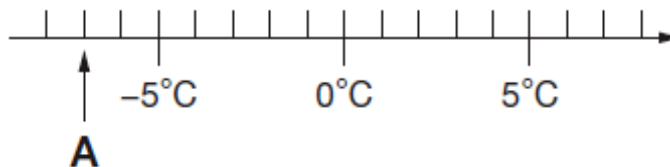
What is the temperature shown at **A**?

| °C |

[1 mark]

Questions compiled by:
@Maths4Everyone

Here is part of a number line.
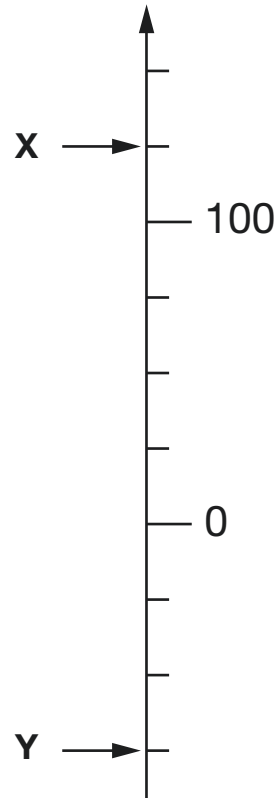
What is the value of **X**?

✎   **X** = [   ]

What is the value of **Y**?

✎   **Y** = [   ]

[2 marks]

5

This table shows the temperature at 9am on three days in January.

1st January	8th January	15th January
+ 5°C	− 4°C	+ 1°C

What is the difference between the temperature on 1st January and the temperature on 8th January?

°C

On 22nd January the temperature was 7 degrees lower than on 15th January.

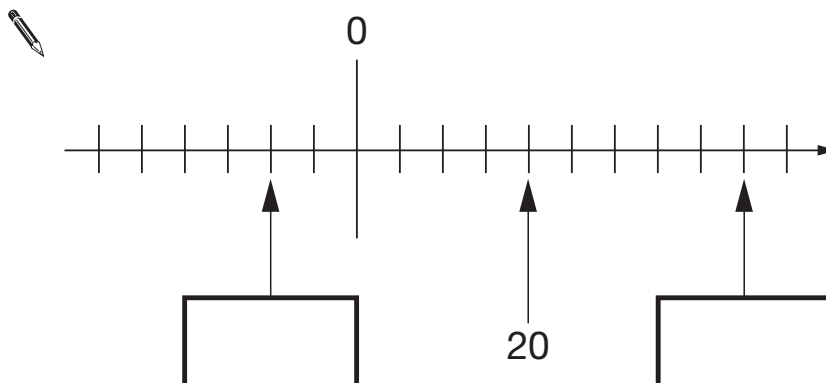What was the temperature on 22nd January?

°C
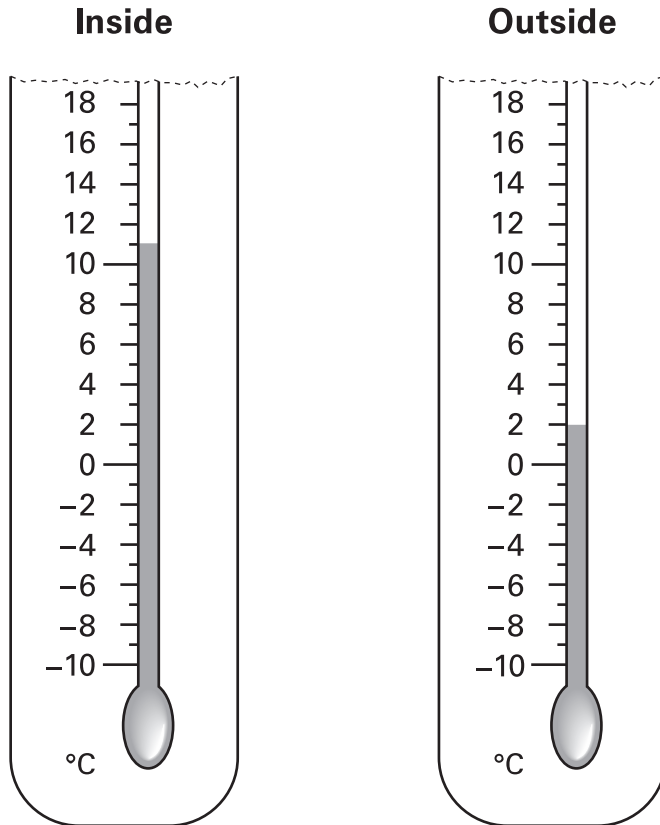
[2 marks]

6

Here is part of a number line.

Write the missing numbers in the boxes.

0

20

[2 marks]

Two thermometers show the temperature inside and outside a greenhouse on a day in January.

Inside   **Outside**

18   18
16   16
14   14
12   12
10   10
8   8
6   6
4   4
2   2
0   0
−2   −2
−4   −4
−6   −6
−8   −8
−10   −10
°C   °C

How many degrees **warmer** was it inside the greenhouse than outside?

°C

Later the temperatures were

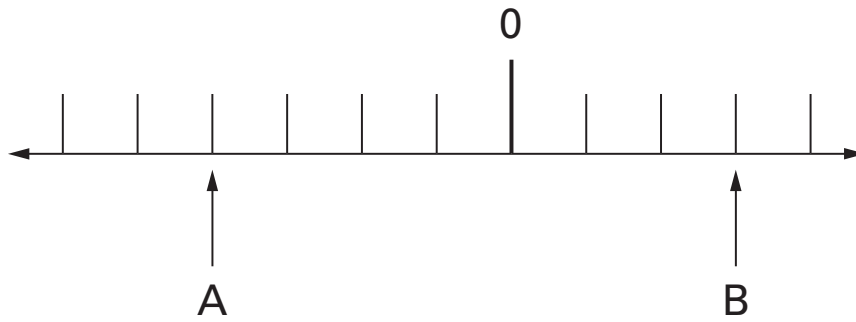| inside	outside
−1°C	−8°C

What is the difference between these two temperatures?

°C

[2 marks]

8

A and **B** are two numbers on the number line below.

0

A   B

The **difference** between **A** and **B** is 140

Write the values of **A** and **B**.

[2 marks]

9

The temperature inside
an aeroplane is 20 °C.

The temperature outside
the aeroplane is –30 °C.

What is the difference between these temperatures?
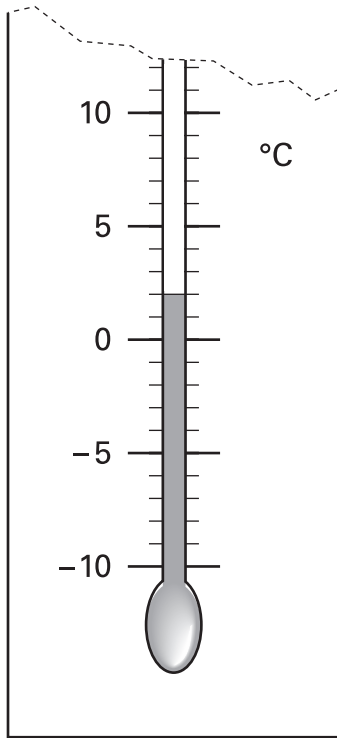
degrees

[1 mark]

10

Circle **two** numbers which have a **difference** of 2
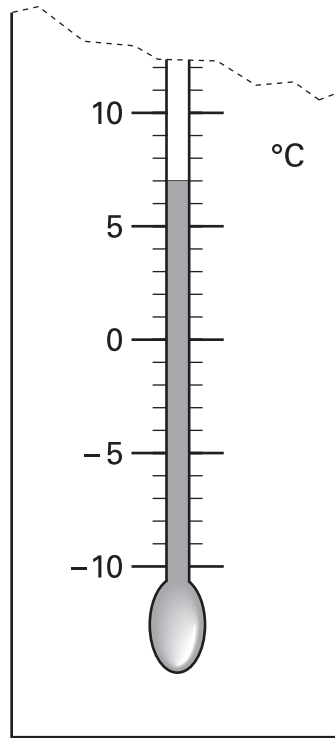
–1   –0.5   0   0.5   1   1.5

[1 mark]

These are the temperatures in York and Rome on a day in winter.

York

Rome

How many degrees **colder** is it in York than in Rome?

°C

On another day, the temperature in York is **4°C**

Rome is **7 degrees colder** than York.

What is the temperature in **Rome**?

°C

[2 marks]

12

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?

_____

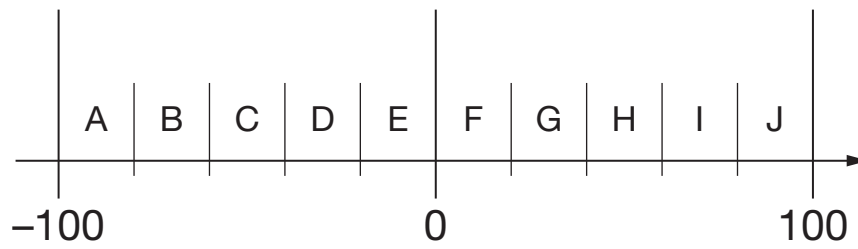What is the difference between the lowest temperatures on Thursday and Friday?

degrees

[2 marks]

13

[2011]

Here is part of a number line.

It is divided into equal sections.

| A | B | C | D | E | F | G | H | I | J |

−100   0   100

Write the letter of the section where each of these numbers belongs.

The number 99 has been done for you.

number	section
99	J
29	
−83	
−15	
44	

[2 marks]