

NEGATIVE NUMBERS

PRACTICE QUESTIONS

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

[2015]

21°C -13°C -24°C 0°C 35°C

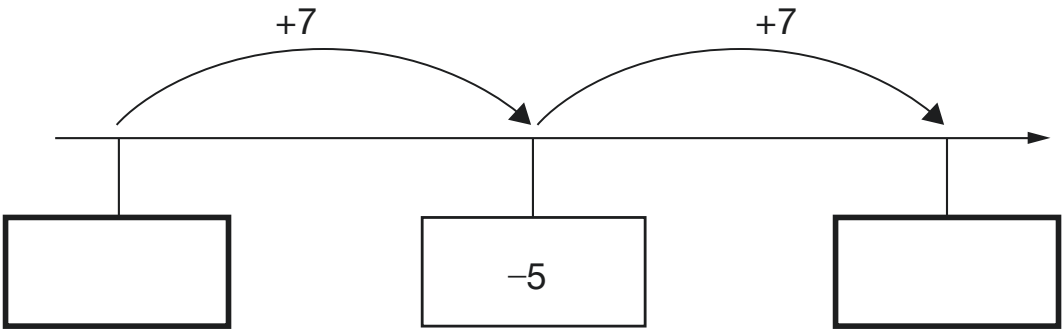
 °C °C °C °C °C

lowest

[1 mark]

2 Here is part of a number line.

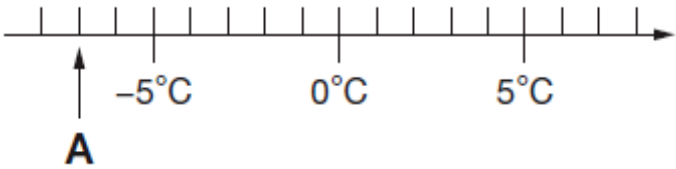
[2016S] Write the missing numbers in the boxes.



[1 mark]

3 Here is part of a temperature scale.

[New]



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

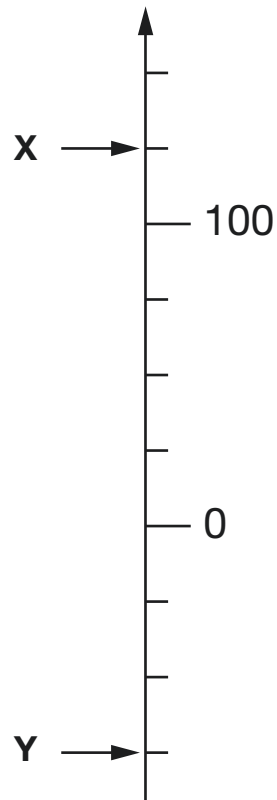
°C

[1 mark]

4

Here is part of a number line.

[2015]

What is the value of **X**?**X** =What is the value of **Y**?**Y** =

[2 marks]

5

[2016]

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

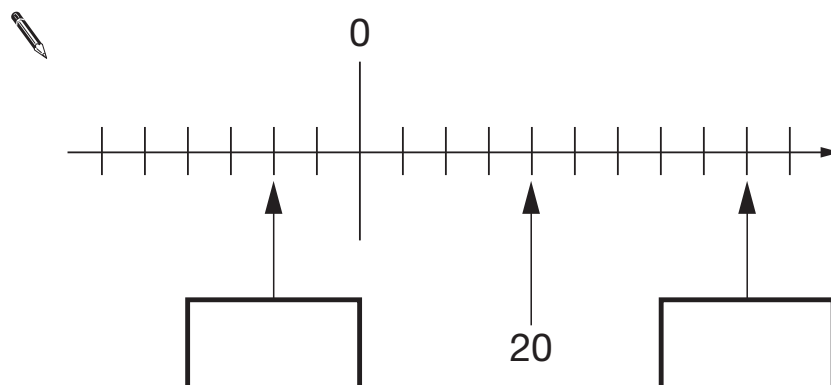
[2 marks]

6

[2009]

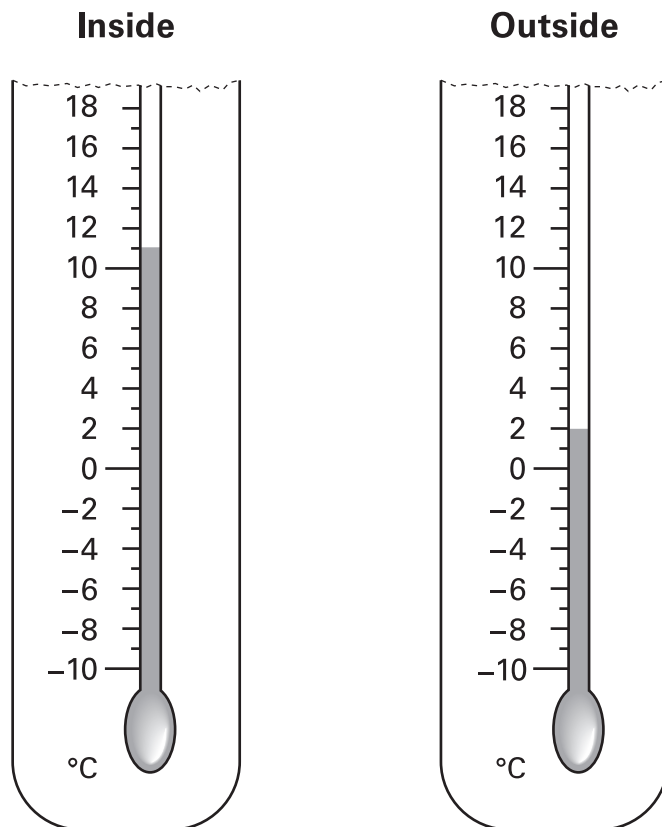
Here is part of a number line.

Write the missing numbers in the boxes.



[2 marks]

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



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


 °C

Later the temperatures were

inside	outside
-1°C	-8°C

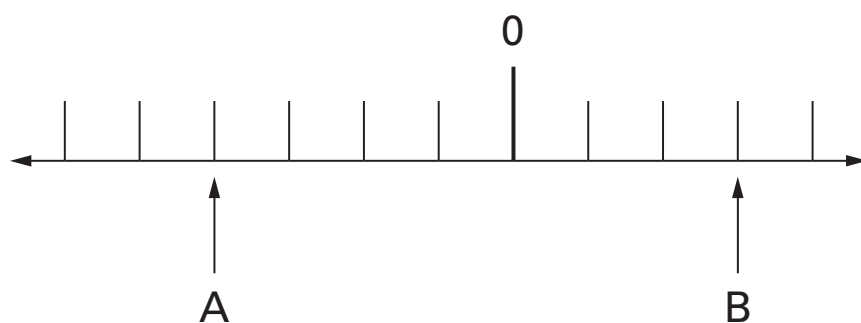
What is the difference between these two temperatures?


 °C

8

[2005]

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



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

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

[2 marks]

9

[New]

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

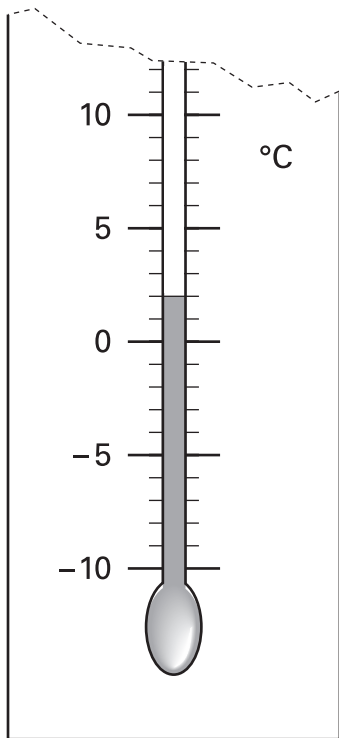
[New]

Circle **two** numbers which have a **difference** of 2

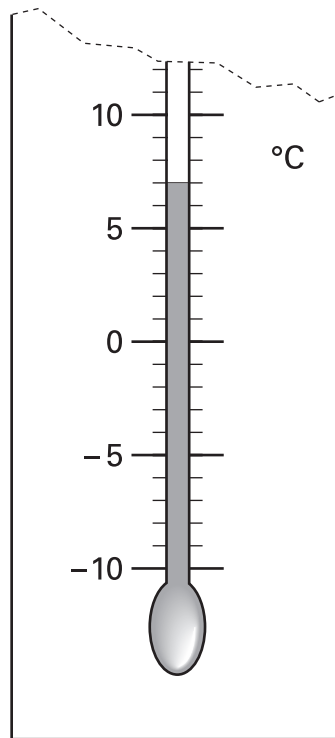
-1 -0.5 0 0.5 1 1.5

[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]

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

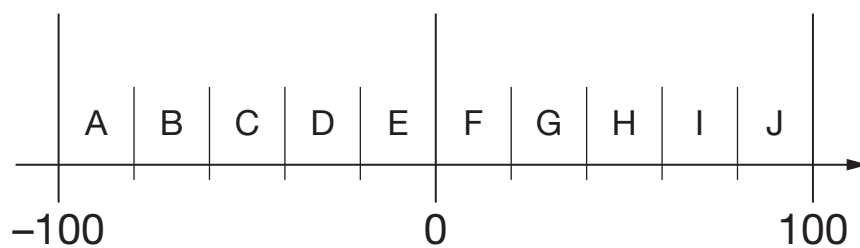
[2 marks]

13

Here is part of a number line.

[2011]

It is divided into equal sections.



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]