

NEGATIVE NUMBERS

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

KS2 SATS

PRACTICE QUESTIONS BY TOPIC

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

[2015]

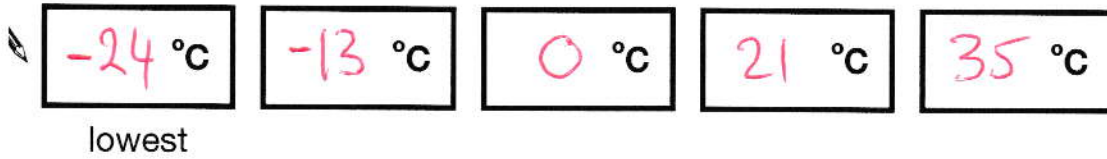
21°C ✓

-13°C ✓

-24°C ✓

0°C ✓

35°C ✓

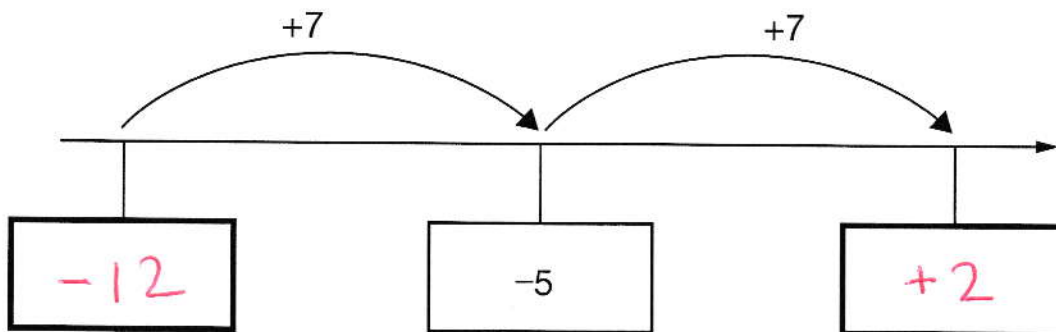


[1 mark]

2 Here is part of a number line.

[2016S]

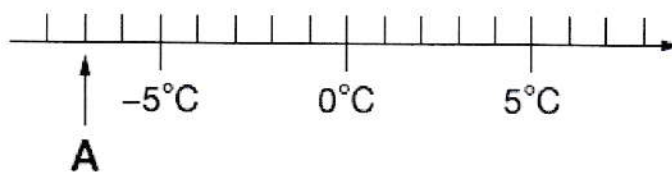
Write the missing numbers in the boxes.



['+' IS NOT NEEDED!] [1 mark]

3 Here is part of a temperature scale.

[New]



What is the temperature shown at A?

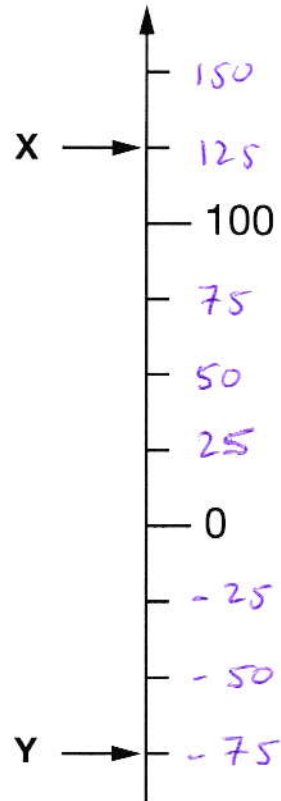
-7 °C

[1 mark]

4

Here is part of a number line.

[2015]



What is the value of X?



X =

125

What is the value of Y?



Y =

-75

[2 marks]

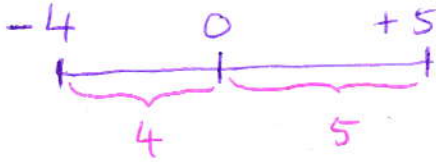
5

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

[2016]

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

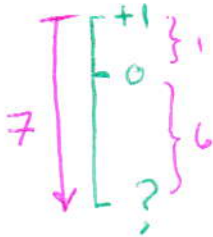
What is the difference between the temperature on 1st January and the temperature on 8th January?



9 °C

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

What was the temperature on 22nd January?



-6 °C

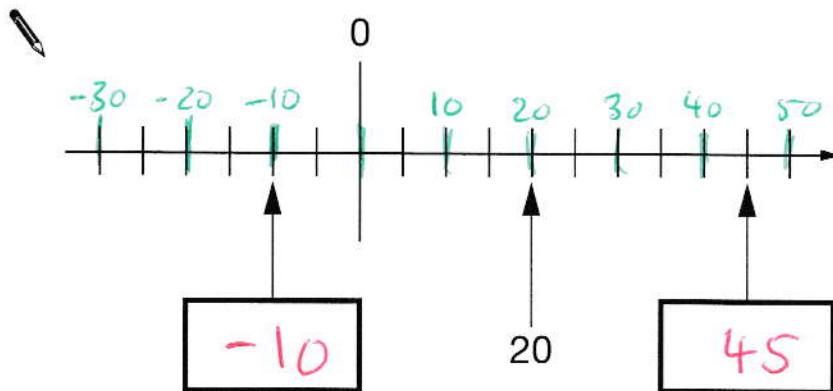
[2 marks]

6

Here is part of a number line.

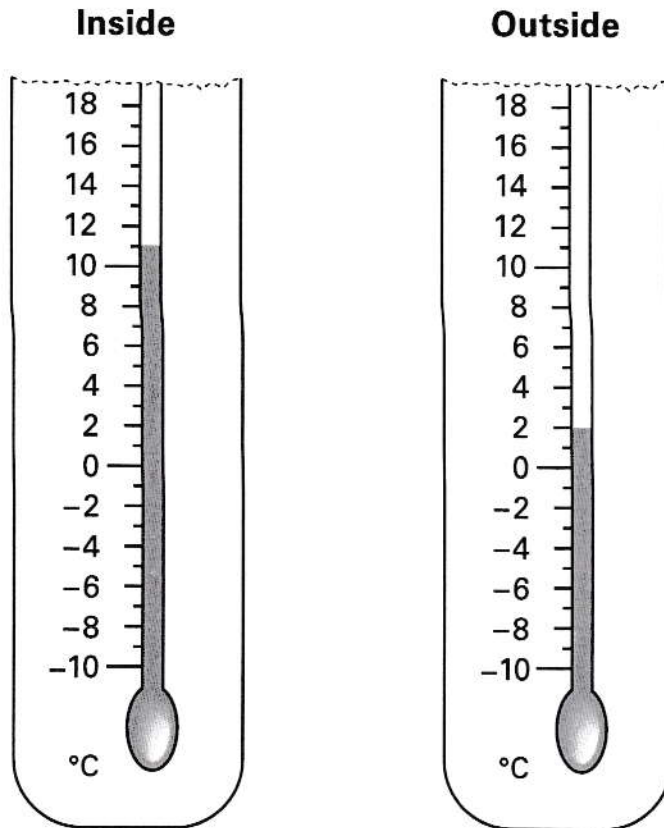
[2009]

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?

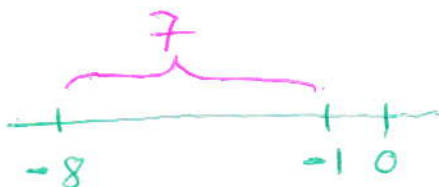


9 °C

Later the temperatures were

inside	outside
-1°C	-8°C

What is the difference between these two temperatures?

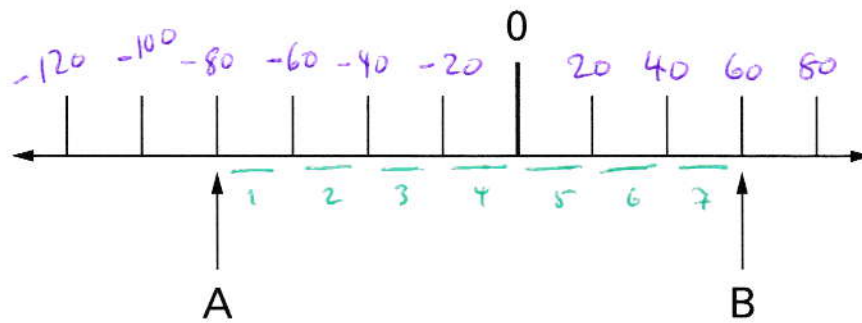


7 °C

8

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

[2005]



FILL IN
SCALE

The **difference** between **A** and **B** is 140 [7 DIVISIONS, SO EACH IS 20!]

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

$$A = -80, B = 60$$

[2 marks]

9

[New]

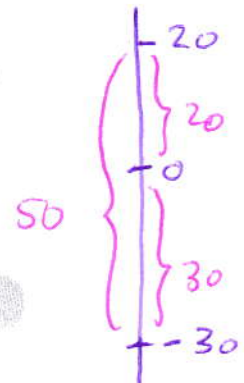
The temperature inside an aeroplane is 20°C .

The temperature outside the aeroplane is -30°C .



What is the difference between these temperatures?

50 degrees



[1 mark]

10

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

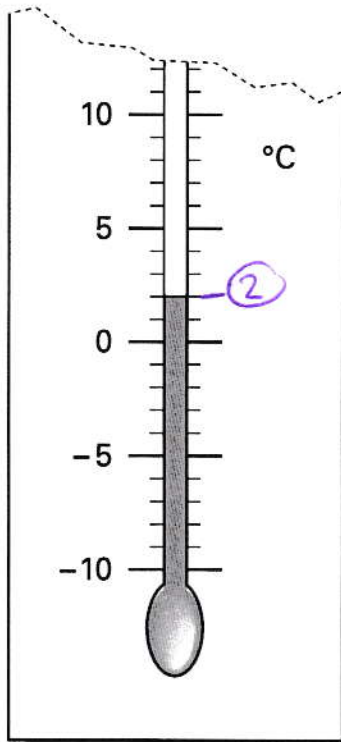
[New]

-1 -0.5 0 0.5 1 1.5

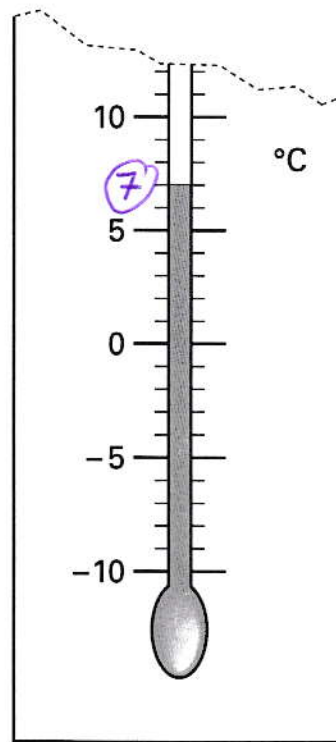
[CAN ALSO BE -0.5 AND 1.5]

[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?


$$7 - 2$$

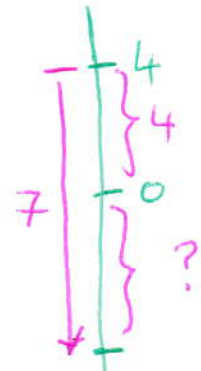
 5 °C

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

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

What is the temperature in **Rome**?

 -3 °C



[2 marks]

12

[2014]

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

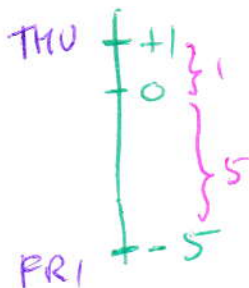
	Temperature °C		
	highest	lowest	
Monday	+7	0	7°
Tuesday	+7	-2	9°
Wednesday	+8	-2	10°
Thursday	+9	+1	8°
Friday	+4	-5	9°

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



WEDNESDAY

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



6 degrees

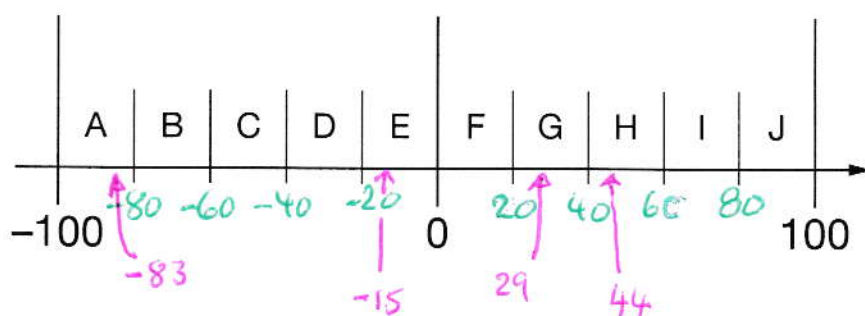
[2 marks]

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	G
-83	A
-15	E
44	H

[2 marks]