

Diving into Mastery



Negative Numbers

twinkl

Aim

- Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.





Where should the numbers be placed on the number line?

-4

1

-2

-8

-3





Where should the numbers be placed on the number line?





Where should the numbers be placed on the number line?

-2

-6

-10

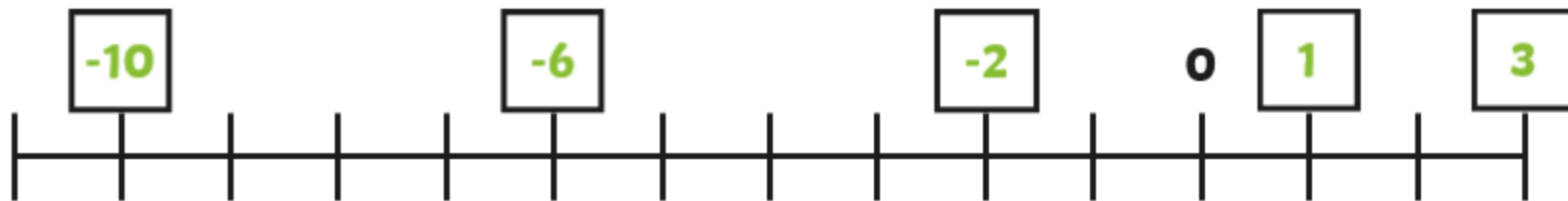
1

3





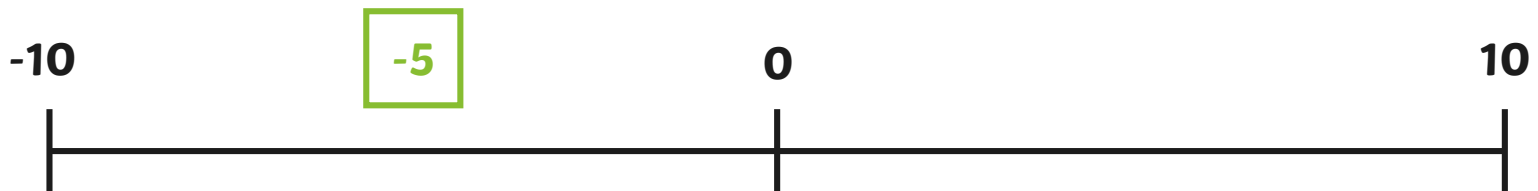
Where should the numbers be placed on the number line?





Here is a number line without intervals.
You need to estimate where the numbers go.

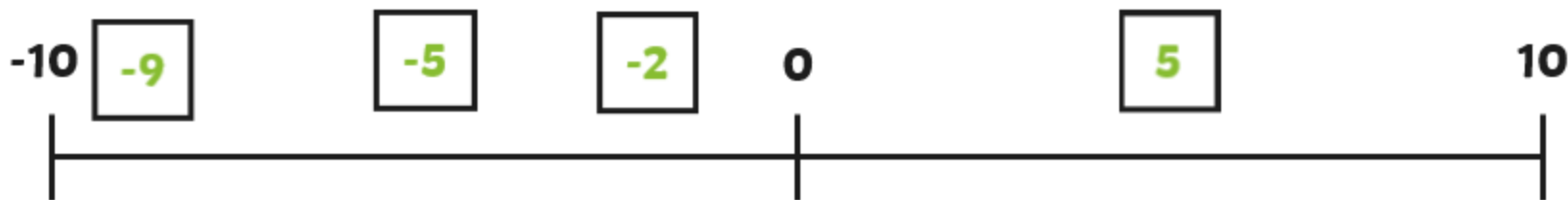
-2 5 -5 -9



Pick one of the numbers and explain
how you decided where to position it.



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Pick one of the numbers and explain
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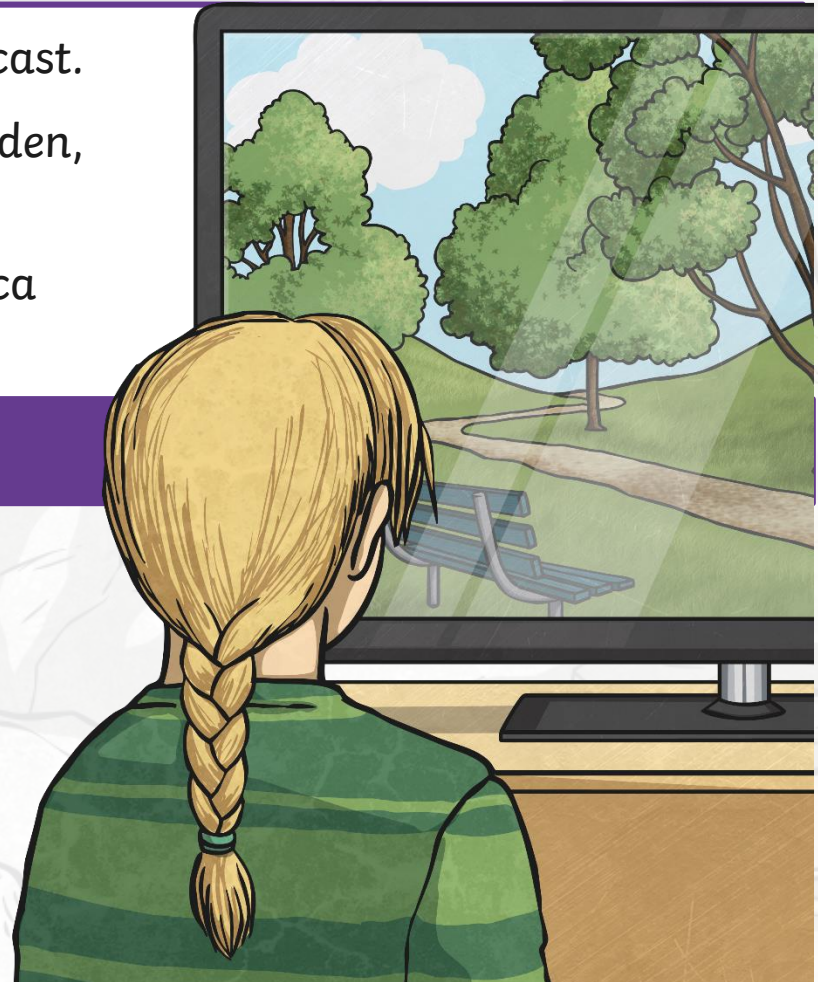


Beccie is watching the weather forecast.

In Antarctica, it is -12°C and in Sweden, it is -3°C .

Beccie says it is warmer in Antarctica because 12 is greater than 3.

Why is Beccie incorrect?





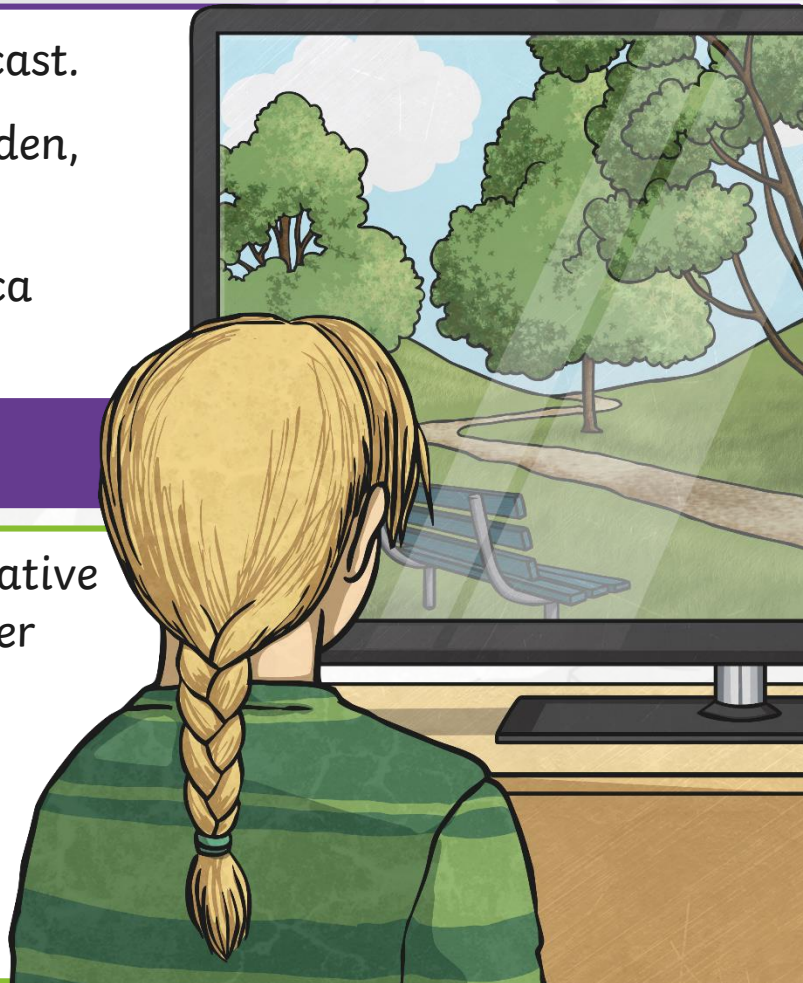
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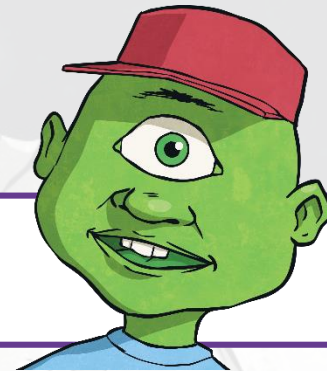
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Beccie says it is warmer in Antarctica because 12 is greater than 3.

Why is Beccie incorrect?

Beccie is incorrect because, with negative numbers, as you move in steps further away from zero, the digits increase but, in fact, the number is getting smaller. -12 is further away from zero than -3 and is therefore colder in terms of temperature.





This alien recorded the temperature on their home planet at the same time every day for a week.

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Temperature	-13°C	-4°C	2°C	-10°C	-5°C	1°C	-19°C

Are these statements true or false? Prove it!

1 Monday was 6°C colder than Sunday.

2 Wednesday was the warmest day.

3 Friday was warmer than Tuesday.



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Are these statements true or false? Prove it!

1 Monday was 6°C colder than Sunday.

False

The difference between -13 and -19 is 6 but it was 6°C warmer.

2 Wednesday was the warmest day.

True

2°C is the warmest temperature.

3 Friday was warmer than Tuesday.

False

-5 is less than -4 and therefore Friday was 1°C colder than Tuesday.