

2. Second sequence: "Negative numbers"

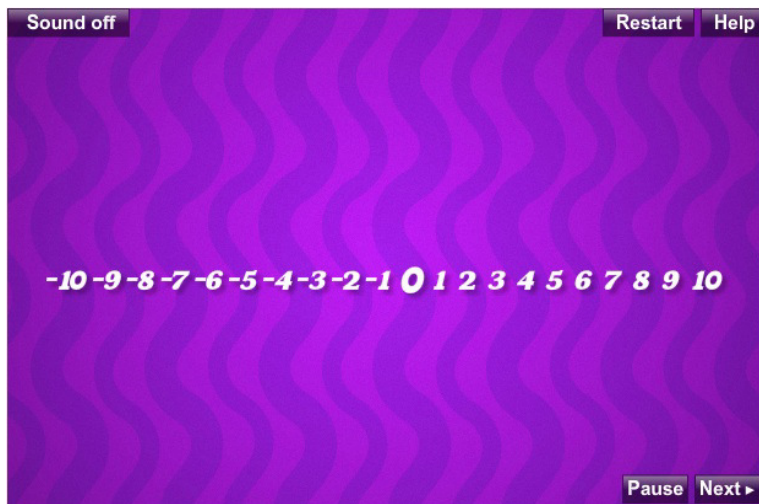
Go back to the address: <http://www.bbc.co.uk/schools/gcsebitesize/maths/number/> and choose the line "negative numbers", and then "activity".

Help Garth the Goth kiss and make up with negative numbers.



Ever seen one of these before? It's a number line. Just think of it as a line full of numbers with a big fat zero in the middle.

The numbers to the right of zero are the kind we use every day. they're called positive numbers. The numbers to the left of zero are the negative numbers. They're the opposite of positive numbers, but they're just as important.

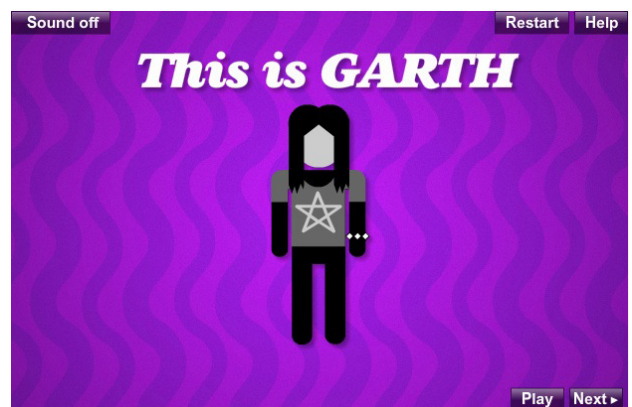


This is Garth. But his mum calls him Gareth.

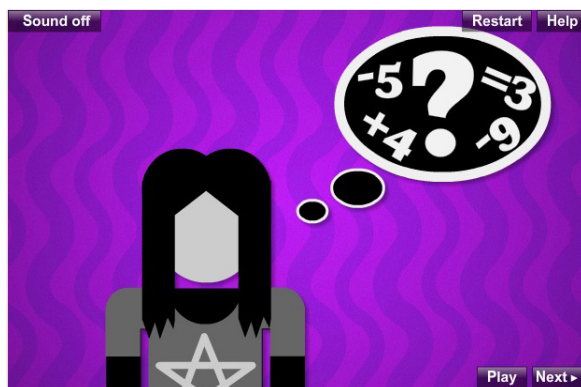
Garth is drawn to the dark side.

He believes that negative numbers are the work of the devil.

So, naturally, he wants to get on blood sucking terms with them.



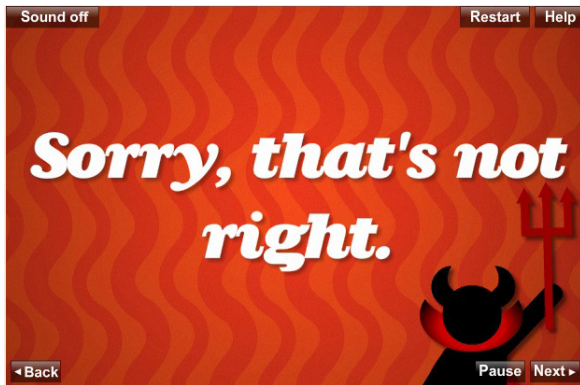
Unfortunately, he's having trouble figuring out how they work. So, can you save Garth the Goth from a fate worse than sun tanning?



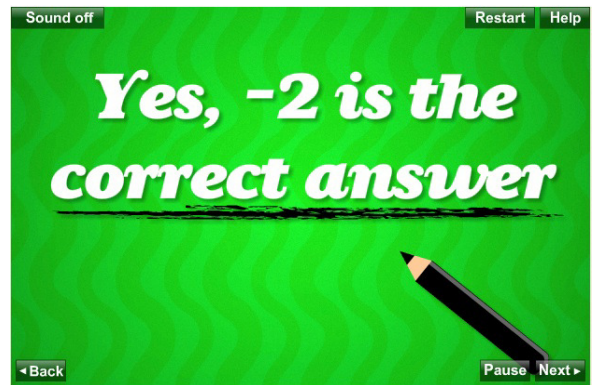
Well, you can help him find out what the temperature will be at midnight.

Go on, be a devil, type in the answer.

Sorry, that's not right. Was that a simple mistake, or are you trying to save Garth's soul?



Yes! Minus 2 is the correct answer... Nice eyeliner, by the way.



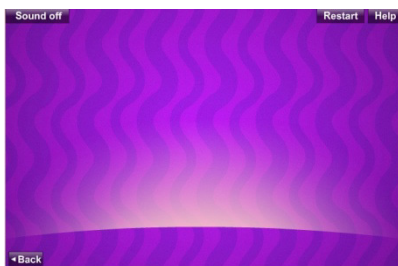
OK. Let's try for a full sun-factor 30.

When adding, or subtracting, if the signs just next to each other are the same, then change them into a positive.

But if the signs are different, then change them into a negative.

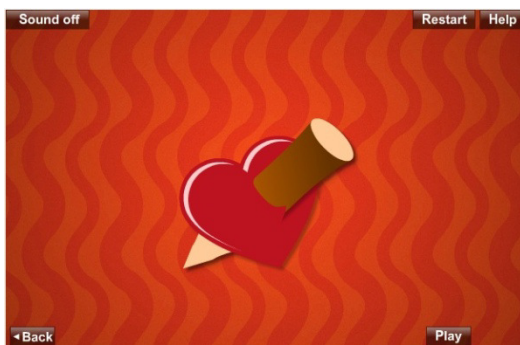
When multiplying or dividing, if the signs are the same, then the answer is always positive.

But if the signs are different, then the answer is negative.

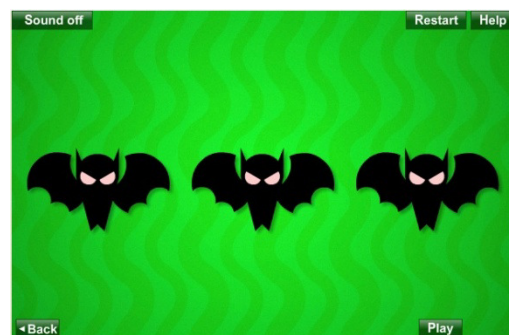


So come on, one last equation before sunrise. Can you help Gareth - Sorry: Garth find the missing number in this equation?

Oh! That's like a stake through the heart! Have another go...



Oh! Look at you and your three-figure IQ! Yeah! That's right! The lord of darkness will be pleased!



Please answer the following questions using a full sentence. You can get a little help from your friends (if you talk together in English only), from me, or from "WordReference". You can also replay the video.

How is called the number in the middle of the number-line?

What is the real name of the character?

And what is his nickname?

How does his mum call him?

What kind of people is he (to what group does he belong?)

What is he having trouble with?

What is the sign of the result, when you multiply two negative numbers?

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Translate the following equations in maths and write the result:

"three plus twelve equals...":

"thirteen minus four equals...":

"four times eleven equals...":

"forty-two divided by seven equals":

More difficult now (with negative numbers):

" minus two plus five equals....":

"plus seven plus four equals....":

"minus twelve minus three equals...":

"minus three times minus two equals...":

"plus four times minus twelve equals...":

"minus thirteen times plus five equals":

"minus thirty divided by ten....":

"minus twenty-four divided by minus four equals....":