

# Brain Teasers

Have some fun with these brain teasers and problems ...

If all of the whole numbers from 0 to 100 were arranged alphabetically, which number would come first? Which number would come last?

I am an odd number. Take away one letter and I become even.

**What number am I?**

Think of a number.  
Double it.  
Add 10.  
Halve it.  
Take away your original number.  
Your answer is ... 5!

**Can you explain how this works?**

**Try exploring what happens if you change the number that you add.**

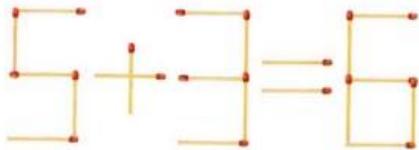
Can you move just 3 coins to flip this triangle upside down?



I add five to nine, and get two. The answer is correct, but how?



Move one matchstick to make this calculation correct.



You have a birthday cake. You must cut it into 8 equal parts by only making 3 cuts. How do you do it?

**You could try this out using playdough or why not use a real cake!**

