

# Legs Eleven

Take a four-digit number: 3527.

Move the first digit to the  
“back of the queue” and move  
the rest along, giving 5273.

Now add your two numbers.

Now try a few other four digit  
numbers. What do all your  
answers have in common?

Why?

Does it work for two-digit,  
three-digit, five-digit,  
38-digit... numbers?



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