

122221

1. What do you notice about this number?
2. What can we say mathematically about this number? Describe this type of number with some math terms.
3. Think of some other numbers or special dates with similar properties. Think on your own, then work in groups. What numbers and or dates can you think of?
4. Are there an even or odd number of digits in this number? Is that relevant to its quality that you observed?
5. Try to prime factor the number 1222201. How hard was this process and why?
6. How frequently do you think special dates like this one will happen next year?

People write dates in different formats. For example: 13 January 2021 (dd-mm-yyyy)

7. List some different ways that dates are written.
8. What are some palindromic dates that you can think of that will happen this next year?
9. What other number patterns in dates might be interesting?