

32 MORE FIBONACCI SEQUENCE INVESTIGATIONS

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 - a Look at every third number in the Fibonacci sequence. What do you notice about it?
 - b What is every fourth number divisible by?
 - c What is every fifth number divisible by?

- 2
 - a Add up the first five Fibonacci numbers. Find the difference between this answer and the seventh Fibonacci number.
 - b Add up the first 10 Fibonacci numbers. Find the difference between this answer and the twelfth Fibonacci number.
 - c Add up the first 20 Fibonacci numbers. Use what you found in **parts a** and **b** to predict what the twenty-second Fibonacci number will be. Are you correct?



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