

Fibonacci Numbers

The Fibonacci sequence starts 1, 1, ...

Add these two numbers together to get the third number in the sequence _____.

Add your answer to the second term to get the fourth number in the sequence _____.

Keep following the pattern (adding the previous two terms) to find the first twelve terms of the Fibonacci sequence.

1, 1, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____

Hint: If you have found each term correctly, the thirteenth term should be 233.

Complete each of the following sums on a calculator giving your answers to 3 decimal places. What do you notice?

$$2^{\text{nd}} \text{ term} \div 1^{\text{st}} \text{ term} = \underline{\hspace{2cm}}$$

$$3^{\text{rd}} \text{ term} \div 2^{\text{nd}} \text{ term} = \underline{\hspace{2cm}}$$

$$4^{\text{th}} \text{ term} \div 3^{\text{rd}} \text{ term} = \underline{\hspace{2cm}}$$

$$5^{\text{th}} \text{ term} \div 4^{\text{th}} \text{ term} = \underline{\hspace{2cm}}$$

$$6^{\text{th}} \text{ term} \div 5^{\text{th}} \text{ term} = \underline{\hspace{2cm}}$$

$$7^{\text{th}} \text{ term} \div 6^{\text{th}} \text{ term} = \underline{\hspace{2cm}}$$

$$8^{\text{th}} \text{ term} \div 7^{\text{th}} \text{ term} = \underline{\hspace{2cm}}$$

$$9^{\text{th}} \text{ term} \div 8^{\text{th}} \text{ term} = \underline{\hspace{2cm}}$$

$$10^{\text{th}} \text{ term} \div 9^{\text{th}} \text{ term} = \underline{\hspace{2cm}}$$

$$11^{\text{th}} \text{ term} \div 10^{\text{th}} \text{ term} = \underline{\hspace{2cm}}$$

$$12^{\text{th}} \text{ term} \div 11^{\text{th}} \text{ term} = \underline{\hspace{2cm}}$$

