Rabbits, Rabbits Everywhere: A Fibonacci Tale

Fibonacci Fun

Solve the clues based on *Rabbits, Rabbits Everywhere: A Fibonacci Tale.* Then, write the corresponding letter in the correct box to spell a word.

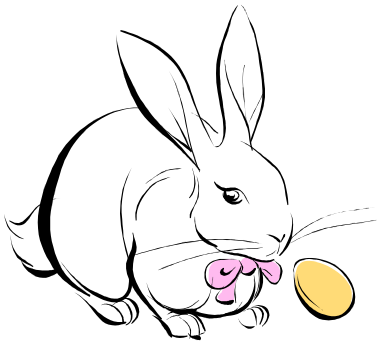
Clues

1. A grown-up bunny
2. Where Fibonacci was born
3. This person figured out the pattern of the rabbits
4. This person tried to get rid of the rabbits, but couldn't
5. The eighth term in the Fibonacci sequence
6. A home for rabbits
7. Amanda was one
8. The name of one of the rabbits
9. Fibonacci's first name

Answers

- Hutch **S**
- Twenty-one **I**
- Rabbit **M**
- Leonardo **N**
- Chee **U**
- Amanda **T**
- Pied Piper **H**
- Hero **F**
- Italy **A**

1	2	3	4	5	6	7	8	9



Who was Fibonacci?

Was that his real name? Where was he from? What was the rabbit problem that he studied to discover the Fibonacci sequence? Use the internet or go to your local library to check out some books on this famous and interesting man.

- The *Fibonacci sequence* goes 1, 1, 2, 3, 5, 8, 13, 21… and continues forever. Can you find the next several numbers in the pattern? What is the rule?

    - Try to solve these number patterns; then, make up some of your own!
        - 1, 3, 5, 7, 9…
        - 1, 3, 6, 10, 15… (Hint: these are *triangular* numbers. Draw a triangle for each member of the set.)

- The number of seeds in lots of fruits and vegetables are Fibonacci numbers. Have an adult help you cut open fruits and vegetables such as a cucumber, a pear, a tomato, or an apple. Count to see if the number of seeds is a Fibonacci number. Hmmm… what did you find out?