

Patterns in Creation: Fibonacci

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4th Grade Math Practice

Name: _____

Date: _____

Solve each problem. Show your work when needed.

1. What are the next two numbers in the Fibonacci sequence after 5? _____, _____

2. Calculate $12 \times 8 =$ _____

3. A plant grows by following the Fibonacci pattern. If it has 3 leaves now, how many leaves will it have next if it follows the pattern? _____

4. What is $144 \div 12$? _____

5. Circle the greater number:

21

or

34

6. What number comes next in the Fibonacci sequence? 0, 1, 1, 2, 3, _____

7. The Fibonacci sequence includes the number 18. True or False?

True

False

8. If a bee produces 5 new hives, and each hive produces 3 bees, how many bees are there in total? _____

9. Calculate the area of a rectangle with a length of 6 and a width of 4. Area = _____

10. A Fibonacci flower has 8 petals. If 3 of them are lost, how many petals remain? _____

11. Which is a Fibonacci number? :

11

or

12

12. Complete the pattern: 1, 1, 2, 3, _____, 13

13. What is $55 \div 5$? _____

14. If a Fibonacci sequence starts with 2 and 3, what is the 5th number in the sequence? _____

15. The Fibonacci sequence is related to God's design in nature. True or False?

True False

Answer Key

1. 8, 13 2. 96 3. 5 4. 12 5. 34 6. 5 7. False 8. 15 9. 24 10. 5 11. 11 12. 5 13. 11 14. 13 15. True