Recall that we number the Fibonacci numbers such that \( f(0) = f(1) = 1 \).

1. True/False: The Fibonacci numbers are defined by a three-term linear recurrence.


3. True/False: The Fibonacci numbers occur as the sums of “shallow” diagonals in Pascal’s triangle.

4. The ratio of consecutive Fibonacci numbers tends to

5. Fibonacci numbers appear in:
   
   (a) The ancestry of a drone bee
   
   (b) Mozart’s first piano sonata
   
   (c) The spirals of sunflower seed heads
   
   (d) All of the above

6. The 10th Pisano period is:

7. \( f(2021)^2 - f(2019)^2 \) equals the Fibonacci number
   
   (a) \( f(1010) \)
   
   (b) \( f(2020) \)
   
   (c) \( f(4041) \)
   
   (d) \( f(8088) \)

8. Which of the following is not a Fibonacci prime?
   
   (a) 233
   
   (b) 1597
   
   (c) 8813
   
   (d) 28657