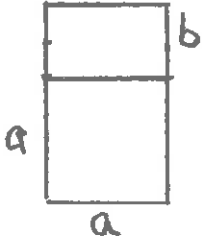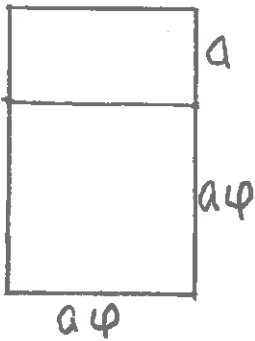1. Show the following rectangle gives the Fibonacci number φ and is a golden rectangle.

2. Give the area of the following rectangle using the Fibonacci number φ.

3. Give the length of the diagonal of a Fibonacci rectangle in terms of the Fibonacci number φ.

4. Give a drawing to show whether a dollar bill is a golden rectangle or not.