Name

1. Write first $2^2 + 3^3 + 4^4 + 5^5$ and then $\frac{1}{2 \cdot 3} + \frac{1}{4 \cdot 5} + \ldots + \frac{1}{10 \cdot 11}$ in Sigma notation.

2. Divide the rectangle below into smaller rectangles in a way that illustrates that the infinite sum $\sum_{k=1}^{\infty} \frac{1}{2^k}$ adds to $\frac{1}{2}$.



Quiz