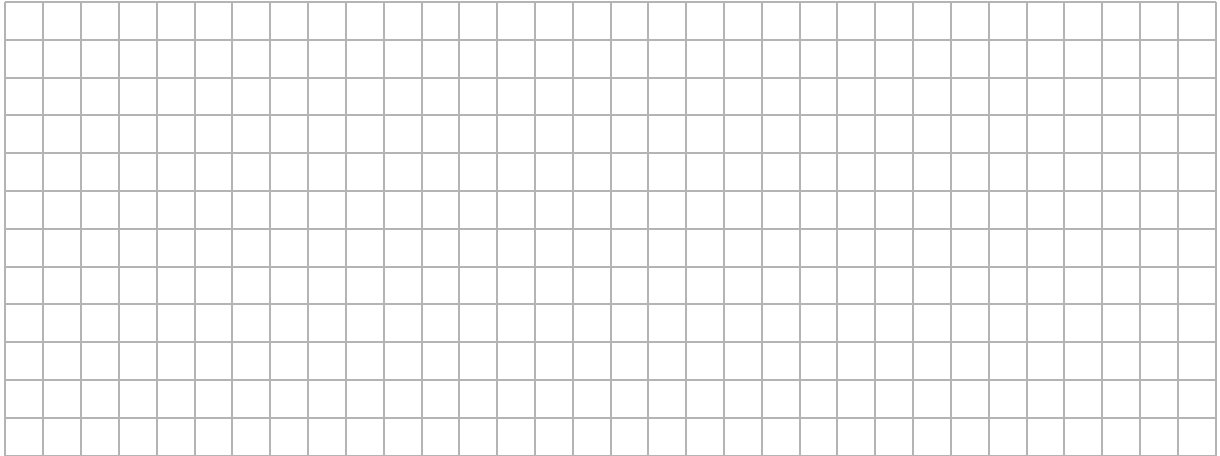
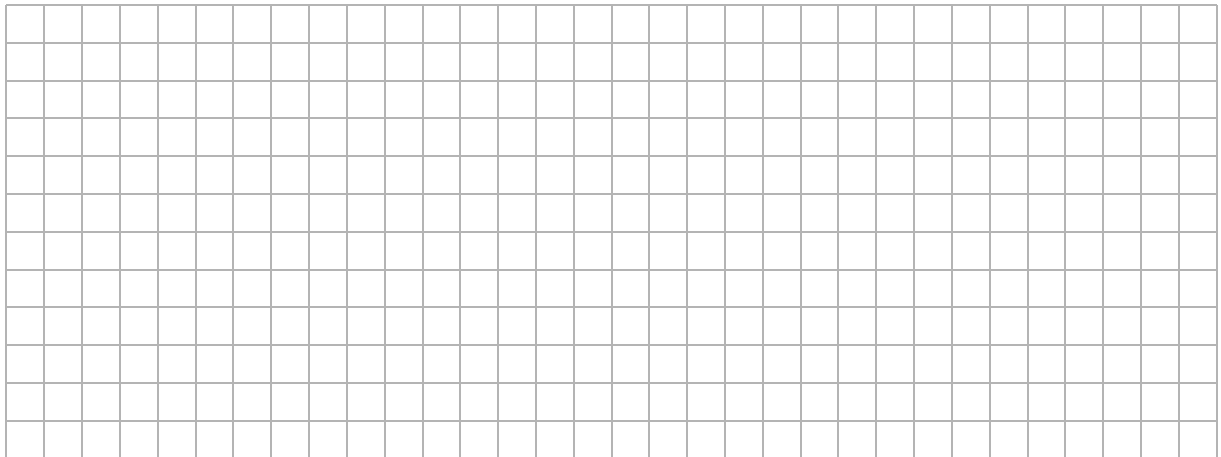


- (c) (i) Step h is the first step of the pattern in which the fraction of the original triangle remaining is less than $\frac{1}{100}$ of the original triangle. Find the value of h .



- (ii) What fraction of the original triangle remains after an infinite number of steps of the pattern?



This question continues on the next page

