

# Discrete Mathematics

## Chapter 5: Counting

Department of Mathematics  
The FPT university

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- (a) The number of positive integers not exceeding 1000 and divisible by 12

**Example 2.** (Counting numbers) The number of positive integers not exceeding  $n$  and divisible by  $k$  is  $\lfloor n/k \rfloor$ .

**Example 3.** Count:

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- (d) The number of positive integers less than 1000, divisible by 12 but not divisible by 8.





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