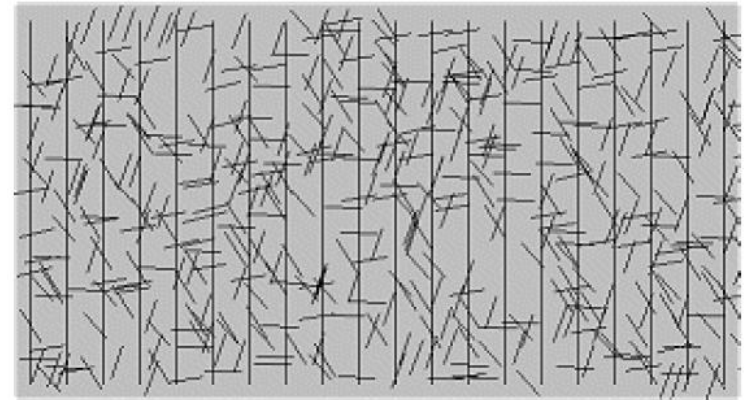


### Experiment 1. (Groups of 4)

Take 10 boxes of matches, a large sheet of paper, marker and a ruler. Assume that the length of the single match equals **1**.



- On your paper draw a few parallel lines such that, the distance between the lines is equal to  $2 \times 1$ .
- Chuck all matches over the paper and count the number of matches that cross the line.
- Assuming that there are **N** matches on the paper and **K** of them cross the line calculate:

Write down your results:

$$\frac{N}{K}$$

$N =$	$K =$	$\frac{N}{K} =$
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**Alternative way:** <https://www.geogebra.org/m/kac8jppt>  
(make 5 attempts of 100 tosses and write down your results)

Discuss the result with other members of your group.  
Share the results with other group.  
Which group has the best approximation?