

Learning to count!!

1. Fundamental Counting Idea (introduction to today's lesson)

a. How many ways can the teacher randomly line up 11 students at the door to go to the water fountain?

(i) But how many ways if teacher has to put Alexie at the front or else she cries!

b. Teacher has 11 students, how many ways can he randomly line them up at the door if William and Shyla have to be together?

c. If teacher randomly lines up his 11 students at the door, what is the probability that Kele is last in line?

I can count!



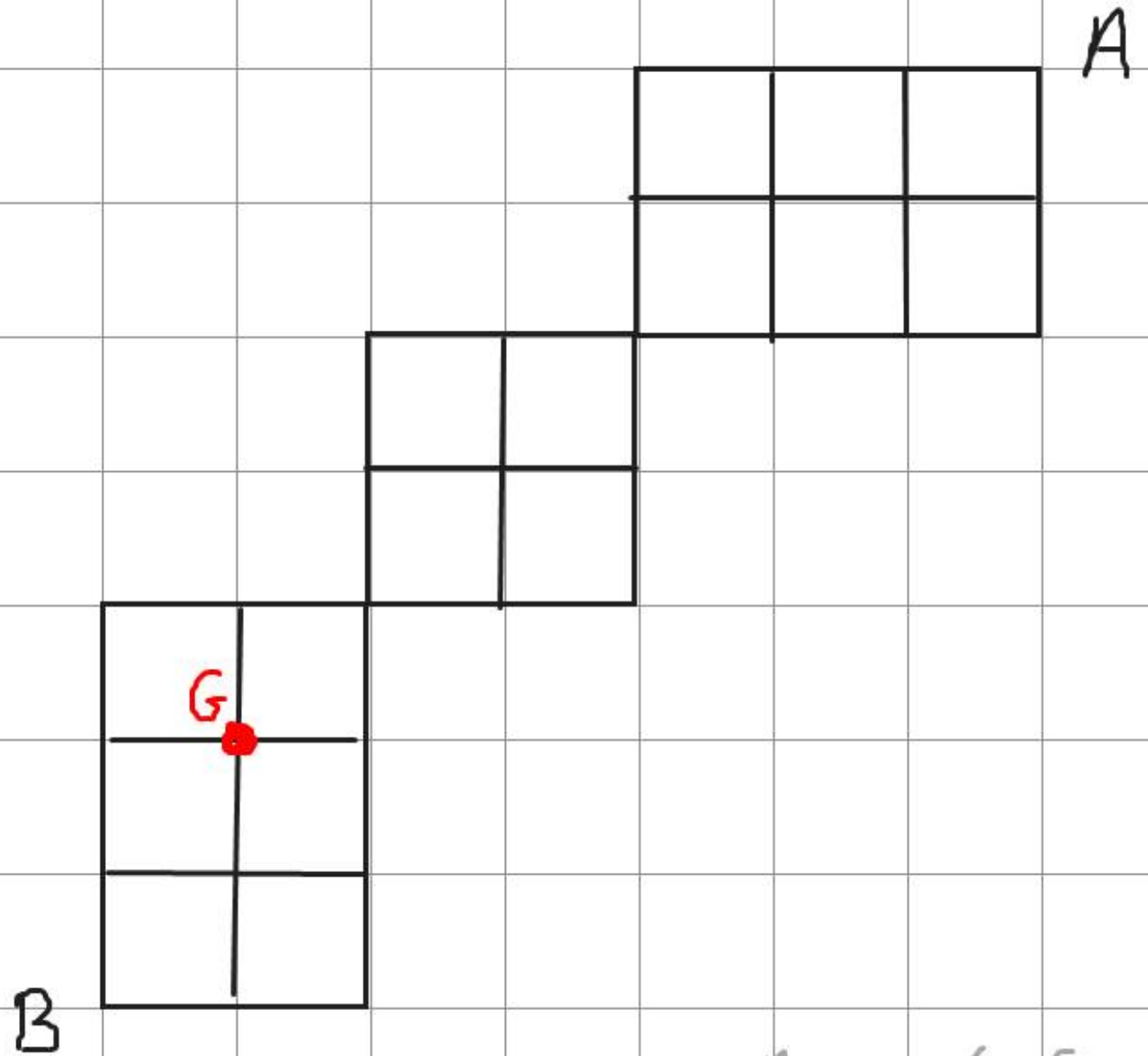
39,916,800

3,628,800

7,257,600

9.099%

2. Determine the probability that Eva will wander past the library (G) if she randomly selects a route from A to B



ANS: 60% $\frac{3}{5}$