

MATHCOUNTS[®]

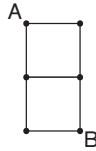
Counting Paths Along a Grid



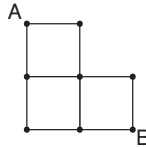
Warm-Up!

Try these problems before watching the lesson.

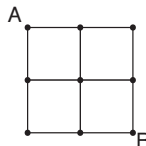
1. If a ladybug walks on the segments of the diagram from point A to point B moving only to the right or downward, how many distinct paths are possible?



2. If a ladybug walks on the segments of the diagram from point A to point B moving only to the right or downward, how many distinct paths are possible?



3. If a ladybug walks on the segments of the diagram from point A to point B moving only to the right or downward, how many distinct paths are possible?



The Problems

Take a look at the following problems and follow along as they are explained in the video.

4. If a ladybug walks on the segments of the diagram from point A to point B moving only to the right or downward, how many distinct paths are possible?

