



TIMO practice: Counting paths (with solutions)

9 problems · Grade 1, 2, 3 · answers and solutions at the end

Name _____

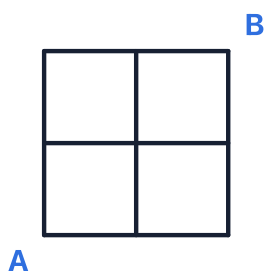
Date _____



Practise this type in the Karotto app, with questions read aloud and hints when stuck. Scan the code or visit playkarotto.com

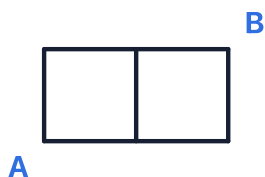
Grade 1

- 1 Follow the lines. Each step can only go right or up. How many ways are there to go from A to B?



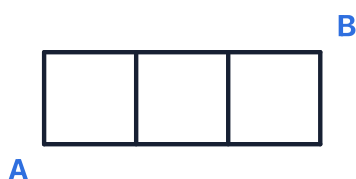
Answer: _____

- 2 Follow the lines. Each step can only go right or up. How many ways are there to go from A to B?



Answer: _____

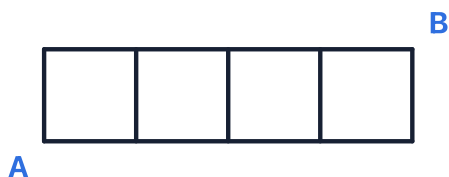
- 3 Follow the lines. Each step can only go right or up. How many ways are there to go from A to B?



Answer: _____

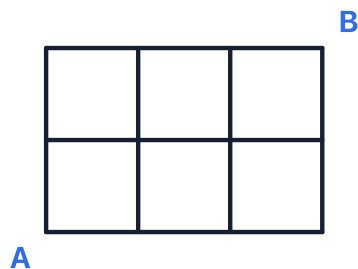
Grade 2

- 4 Follow the lines. Each step can only go right or up. How many ways are there to go from A to B?



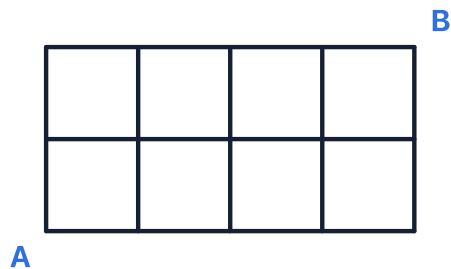
Answer: _____

- 5 Follow the lines. Each step can only go right or up. How many ways are there to go from A to B?



Answer: _____

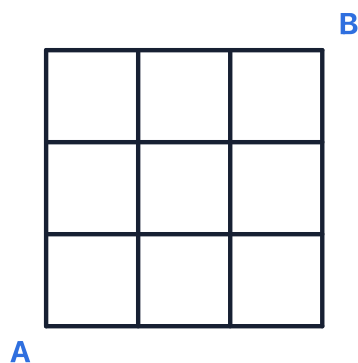
- 6 Follow the lines. Each step can only go right or up. How many ways are there to go from A to B?



Answer: _____

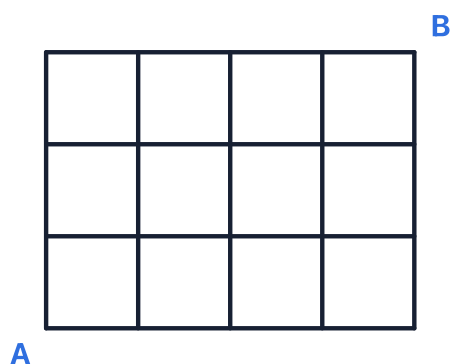
Grade 3

- 7 Follow the lines. Each step can only go right or up. How many ways are there to go from A to B?



Answer: _____

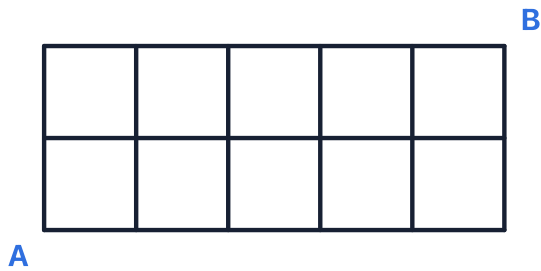
- 8 Follow the lines. Each step can only go right or up. How many ways are there to go from A to B?



Answer: _____

9

Follow the lines. Each step can only go right or up. How many ways are there to go from A to B?



Answer: _____

Answers and solutions: Counting paths

1. Answer: 6 · Grade 1

How to think: Points on the bottom edge and on the left edge have only 1 way to get there.

Solution: Write the number of ways at each point: each point is the point on its left plus the point below. There are 6 ways to reach B.

2. Answer: 3 · Grade 1

How to think: Points on the bottom edge and on the left edge have only 1 way to get there.

Solution: Write the number of ways at each point: each point is the point on its left plus the point below. There are 3 ways to reach B.

3. Answer: 4 · Grade 1

How to think: Points on the bottom edge and on the left edge have only 1 way to get there.

Solution: Write the number of ways at each point: each point is the point on its left plus the point below. There are 4 ways to reach B.

4. Answer: 5 · Grade 2

How to think: Points on the bottom edge and on the left edge have only 1 way to get there.

Solution: Write the number of ways at each point: each point is the point on its left plus the point below. There are 5 ways to reach B.

5. Answer: 10 · Grade 2

How to think: Points on the bottom edge and on the left edge have only 1 way to get there.

Solution: Write the number of ways at each point: each point is the point on its left plus the point below. There are 10 ways to reach B.

6. Answer: 15 · Grade 2

How to think: Points on the bottom edge and on the left edge have only 1 way to get there.

Solution: Write the number of ways at each point: each point is the point on its left plus the point below. There are 15 ways to reach B.

7. Answer: 20 · Grade 3

How to think: Points on the bottom edge and on the left edge have only 1 way to get there.

Solution: Write the number of ways at each point: each point is the point on its left plus the point below. There are 20 ways to reach B.

8. Answer: 35 · Grade 3

How to think: Points on the bottom edge and on the left edge have only 1 way to get there.

Solution: Write the number of ways at each point: each point is the point on its left plus the point below. There are 35 ways to reach B.

9. Answer: 21 · Grade 3

How to think: Points on the bottom edge and on the left edge have only 1 way to get there.

Solution: Write the number of ways at each point: each point is the point on its left plus the point below. There are 21 ways to reach B.
