



TIMO practice: Counting rectangles (with solutions)

8 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 How many rectangles are there in the picture in all? Squares count as rectangles too.



Answer: _____

- 2 How many rectangles are there in the picture in all? Squares count as rectangles too.



Answer: _____

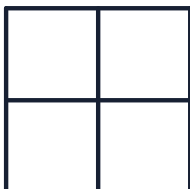
Grade 2

- 3 How many rectangles are there in the picture in all? Squares count as rectangles too.



Answer: _____

- 4 How many rectangles are there in the picture in all? Squares count as rectangles too.



Answer: _____

- 5 How many rectangles are there in the picture in all? Squares count as rectangles too.



Answer: _____

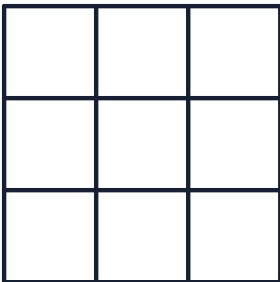
Grade 3

- 6 How many rectangles are there in the picture in all? Squares count as rectangles too.



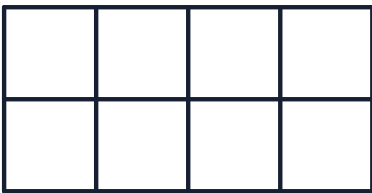
Answer: _____

- 7 How many rectangles are there in the picture in all? Squares count as rectangles too.



Answer: _____

- 8 How many rectangles are there in the picture in all? Squares count as rectangles too.



Answer: _____

Answers and solutions: Counting rectangles

1. Answer: 6 · Grade 1

How to think: Count the 1-box shapes, then the shapes made of 2 boxes, 3 boxes...

Solution: Count the shapes of 1 box, 2 boxes, 3 boxes...: 3 plus 2 plus 1 equals 6 shapes.

2. Answer: 10 · Grade 1

How to think: Count the 1-box shapes, then the shapes made of 2 boxes, 3 boxes...

Solution: Count the shapes of 1 box, 2 boxes, 3 boxes...: 4 plus 3 plus 2 plus 1 equals 10 shapes.

3. Answer: 15 · Grade 2

How to think: Count the 1-box shapes, then the shapes made of 2 boxes, 3 boxes...

Solution: Count the shapes of 1 box, 2 boxes, 3 boxes...: 5 plus 4 plus 3 plus 2 plus 1 equals 15 shapes.

4. Answer: 9 · Grade 2

How to think: Count the 1-box shapes, then the shapes made of 2 boxes, 3 boxes...

Solution: There are 3 ways to choose across and 3 ways to choose up and down: 3 times 3 equals 9 rectangles.

5. Answer: 10 · Grade 2

How to think: Count the 1-box shapes, then the shapes made of 2 boxes, 3 boxes...

Solution: Count the shapes of 1 box, 2 boxes, 3 boxes...: 4 plus 3 plus 2 plus 1 equals 10 shapes.

6. Answer: 18 · Grade 3

How to think: Count the 1-box shapes, then the shapes made of 2 boxes, 3 boxes...

Solution: There are 6 ways to choose across and 3 ways to choose up and down: 6 times 3 equals 18 rectangles.

7. Answer: 36 · Grade 3

How to think: Count the 1-box shapes, then the shapes made of 2 boxes, 3 boxes...

Solution: There are 6 ways to choose across and 6 ways to choose up and down: 6 times 6 equals 36 rectangles.

8. Answer: 30 · Grade 3

How to think: Count the 1-box shapes, then the shapes made of 2 boxes, 3 boxes...

Solution: There are 10 ways to choose across and 3 ways to choose up and down: 10 times 3 equals 30 rectangles.
