



TIMO practice: Counting triangles (with solutions)

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

Name _____

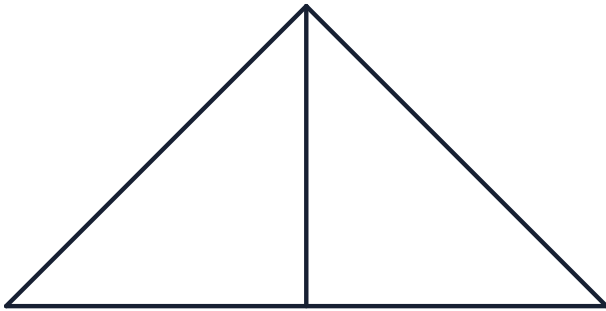
Date _____



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

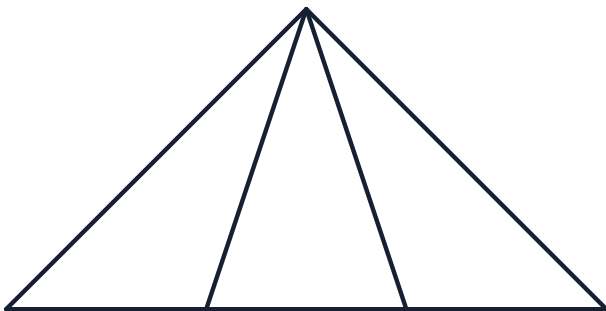
Grade 1

- 1 How many triangles are there in the picture in all?



Answer: _____

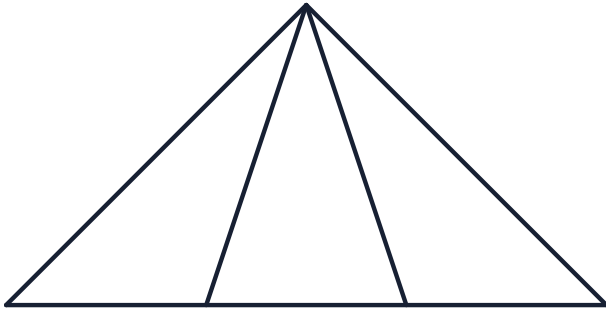
- 2 How many triangles are there in the picture in all?



Answer: _____

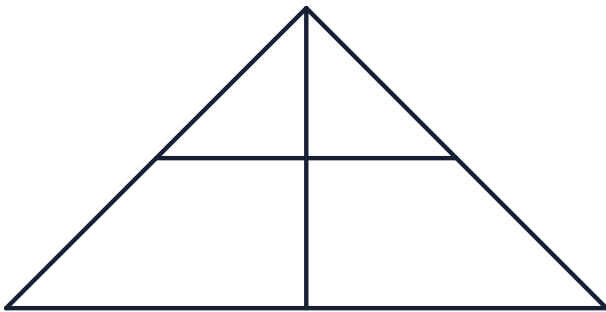
Grade 2

- 3 How many triangles are there in the picture in all?



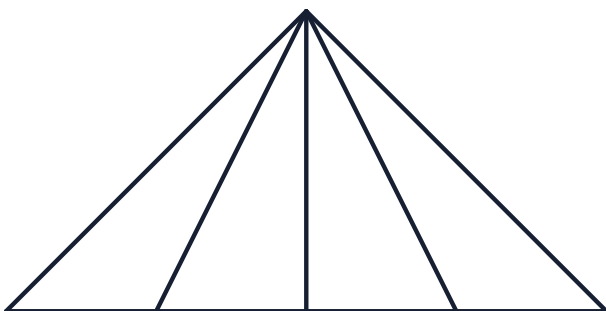
Answer: _____

- 4 How many triangles are there in the picture in all?



Answer: _____

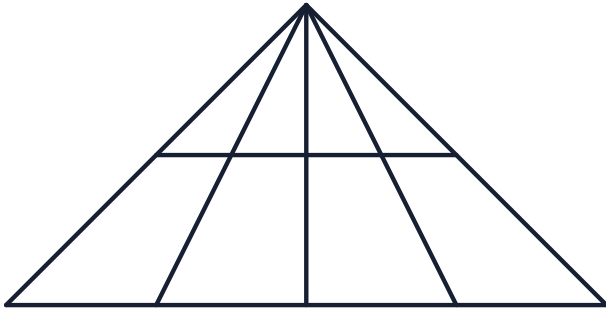
- 5 How many triangles are there in the picture in all?



Answer: _____

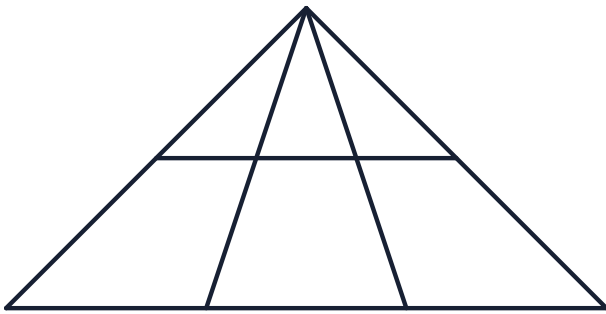
Grade 3

- 6 How many triangles are there in the picture in all?



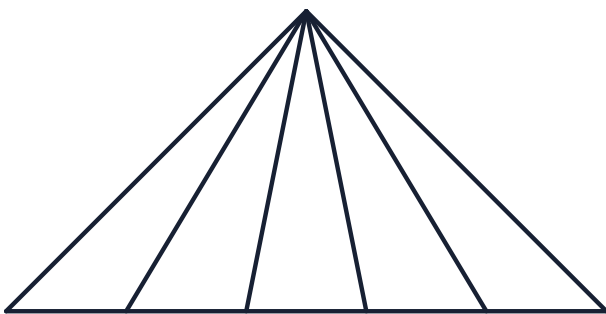
Answer: _____

- 7 How many triangles are there in the picture in all?



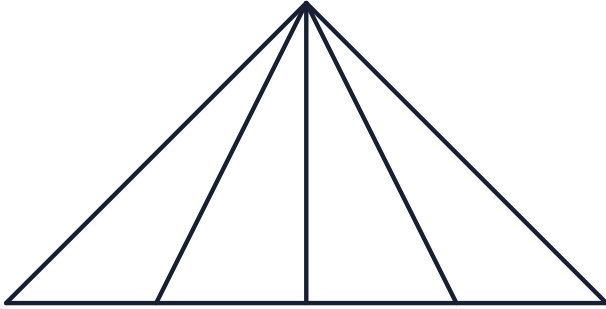
Answer: _____

- 8 How many triangles are there in the picture in all?



Answer: _____

9 How many triangles are there in the picture in all?



Answer: _____

Answers and solutions: Counting triangles

1. Answer: 3 · Grade 1

How to think: Count the 1-part triangles first, then the triangles made of 2 parts, 3 parts...

Solution: Count the triangles of 1 part, 2 parts, 3 parts...: 2 plus 1 equals 3 triangles.

2. Answer: 6 · Grade 1

How to think: Count the 1-part triangles first, then the triangles made of 2 parts, 3 parts...

Solution: Count the triangles of 1 part, 2 parts, 3 parts...: 3 plus 2 plus 1 equals 6 triangles.

3. Answer: 6 · Grade 2

How to think: Count the 1-part triangles first, then the triangles made of 2 parts, 3 parts...

Solution: Count the triangles of 1 part, 2 parts, 3 parts...: 3 plus 2 plus 1 equals 6 triangles.

4. Answer: 6 · Grade 2

How to think: Count the 1-part triangles first, then the triangles made of 2 parts, 3 parts...

Solution: Above the line across there are 3 triangles, and there are also 3 big triangles going down to the bottom: 3 plus 3 equals 6.

5. Answer: 10 · Grade 2

How to think: Count the 1-part triangles first, then the triangles made of 2 parts, 3 parts...

Solution: Count the triangles of 1 part, 2 parts, 3 parts...: 4 plus 3 plus 2 plus 1 equals 10 triangles.

6. Answer: 20 · Grade 3

How to think: Count the 1-part triangles first, then the triangles made of 2 parts, 3 parts...

Solution: Above the line across there are 10 triangles, and there are also 10 big triangles going down to the bottom: 10 plus 10 equals 20.

7. Answer: 12 · Grade 3

How to think: Count the 1-part triangles first, then the triangles made of 2 parts, 3 parts...

Solution: Above the line across there are 6 triangles, and there are also 6 big triangles going down to the bottom: 6 plus 6 equals 12.

8. Answer: 15 · Grade 3

How to think: Count the 1-part triangles first, then the triangles made of 2 parts, 3 parts...

Solution: Count the triangles of 1 part, 2 parts, 3 parts...: 5 plus 4 plus 3 plus 2 plus 1 equals 15 triangles.

9. Answer: 10 · Grade 3

How to think: Count the 1-part triangles first, then the triangles made of 2 parts, 3 parts...

Solution: Count the triangles of 1 part, 2 parts, 3 parts...: 4 plus 3 plus 2 plus 1 equals 10 triangles.
