PuzzlePLAYGROUND
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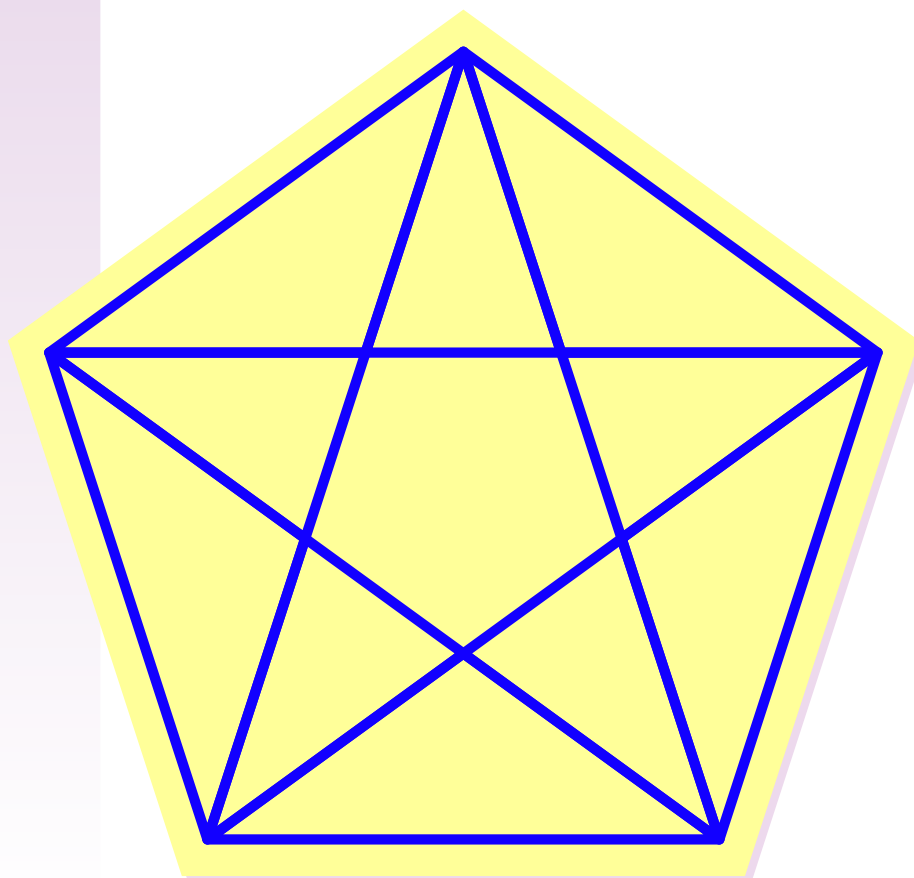ThinkFun
Everybody plays.
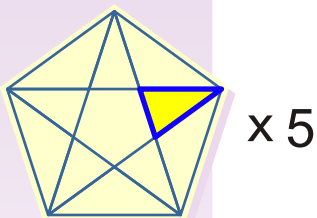A Binary Arts® Company

Treasure of Classic
and Modern Puzzles

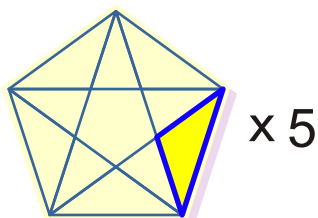## Visual Puzzles

Counting the Triangles
by Henry E. Dudeney

The question is how many different triangles are hidden in this figure?

1

ThinkFun
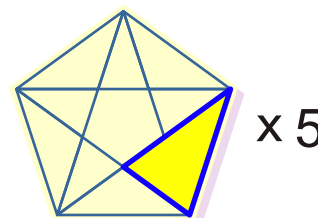Everybody plays.
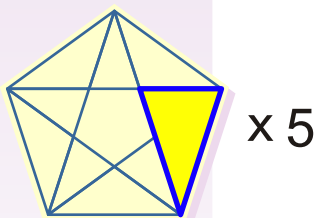*A Binary Arts® Company*

Treasure of Classic
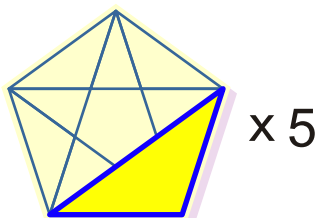and Modern Puzzles

Visual Puzzles

x 5

x 5

x 5
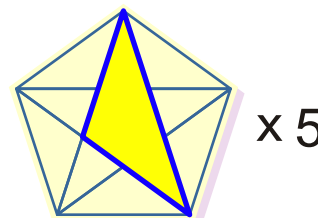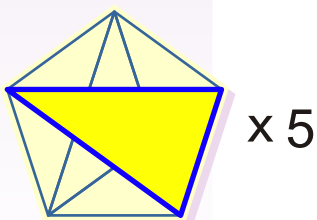
x 5

x 5

x 5

x 5

Counting the Triangles (solution)

There are seven groups of triangles shown in the diagrams above.
Each group consists of exactly five triangles with every triangle
rotated 72 degrees around the center of the pentagon; one triangle
from every group is highlighted in the respective diagram. So the
total number of the triangles in the pentagon is 7x5=35.

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