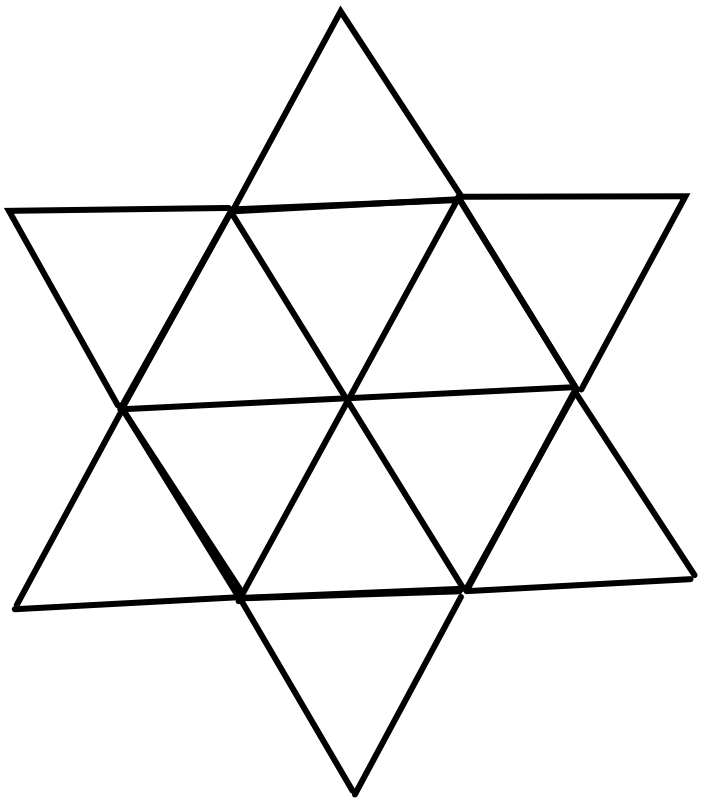
Star Puzzle

How many triangles can you find in this star?



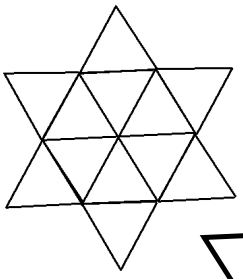
How will you record your ideas?

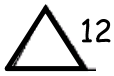
Learning and Teaching Objectives

- Use a systematic approach to solve the problem
- Use drawings or annotations to help visualise the problem
- Choose and use an appropriate method of recording

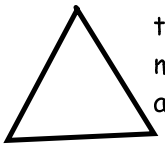
Star Puzzle Solution

Encourage systematic working as below

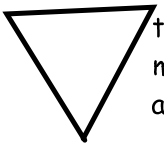




12 small triangles



there are 3 triangles
made from four small triangles
and this way up



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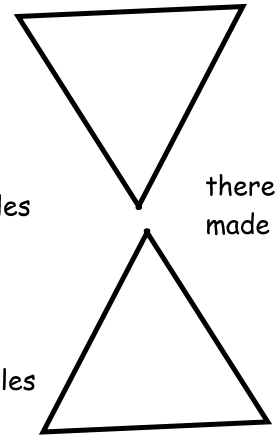

there are 2 large triangles
made from nine small triangles

new puzzles can easily be created using other shapes