

Fishermen Class Maths Reasoning Report

For this reasoning morning the school used the NRICH website for activity ideas. The theme selected was 'Habits of Mind', as research has shown that children learn better when they are curious, resourceful, resilient and collaborative. In Fishermen class we linked our activities on triangles to our school 'Golden Threads'.

- Independence
- Resilience
- Oracy
- Possibilities
- Reflection

Four Triangles Puzzle (maths.org)

FIRST CHALLENGE

Four Triangles Puzzle

If you cut a square diagonally from corner to corner you get four right-angled isosceles triangles.

How many different shapes can you make by fitting the four triangles back together? Draw the shapes you have made on squared paper by drawing round the triangles.



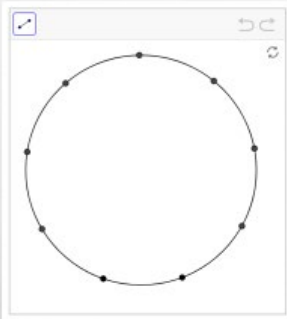
HOW MANY DIFFERENT TRIANGLES CAN YOU MAKE ON YOUR BOARD?



Extra Challenge:

How many different triangles with one dot in the middle can you draw?

FINAL CLASS CHALLENGE!



How many different triangles can you make on a circular pegboard that has nine pins?

