

## Inside Triangles (5648)



How many triangles with one dot in the middle can you draw on a four by four dotty grid?

How do you know you have found them all?

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and therefore make mistakes and get stuck, you can't learn mathematics •Mathematics is something that you

- have to work on by yourself and that
- you keep quiet if you can't keep up •There is an elite few who can do
- see 'amia thematics Growth Zone' by Clare Lee and Sue Johnston-Wilder (13491) nrich.maths.org

How did you feel as you worked on Inside Triangles?

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'one of the characteristics of the mathematically resilient learner is that they have the language both to express any feelings about being out of control and to request the support

they need...'

See 'Getting into and staying in the Growth Zone' by Clare Lee and Sue Johnston-Wilder (13491)

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# Number Lines in Disguise (13452)

What do you notice about this number line?

## What questions could you ask?









#### Challenge 1

Using pieces that have at least one peg and one hole, find **all the possible ways** of making a rectangular jigsaw three pieces wide and two pieces deep, with straight edges all the way around. All six pieces must be different.

### Challenge 2

Find all the possible pieces that have at least one peg and one hole.

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# Learning through reflection

#### Working together

- f) Each team member has been observed sharing their thinking with the team and explaining clearly

- Draw together the pair's/group's working into a joint snrich.maths.org

# **Rosie Revere** by Andrea Beaty



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**Resilience and Perseverance Feature** (13554)

Includes:

- Article 'Getting into and staying in the Growth Zone' (13491)
- A range of primary tasks designed to promote a positive attitude to challenging mathematical situations

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