



## **Teacher Takeaway**

- 1. Try Poly Plug Rectangles and one other task to try before Day 4
- 2. Use your rubric to assess the tasks
- 3. Bring your completed rubrics to Day 4 along with any reflections/evidence
- 4. Read P43-53 from Transforming Primary Mathematics (Should have been the first part of Chapter 5-apologies!)

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### Tasks to talk about:

- Poly Plug Rectangles
- · One is a Snail, Ten is a Crab
- Maths Story Time
- Any additional others

Now reflect on your use of the rubric in assessing each task. Share with others for richness of discussion.

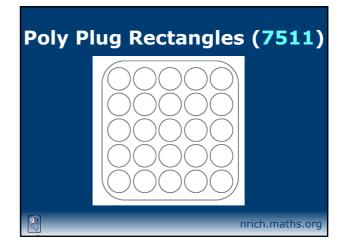


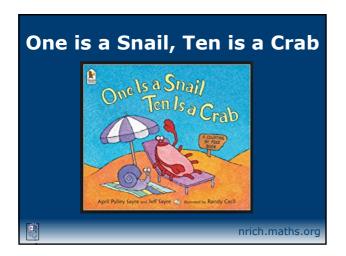
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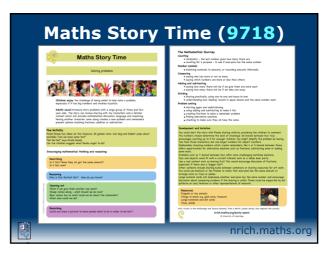
## **Share revisions**

- How robust was your rubric/assessment?
- What changes do you need to make and why?

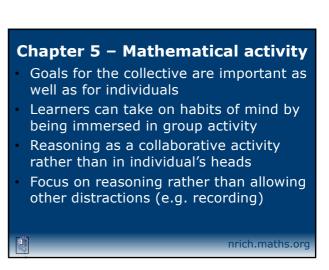








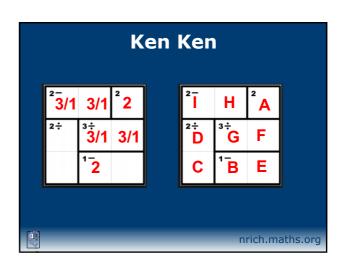
## Reflections on reading Thoughts? What did you like? Surprises?

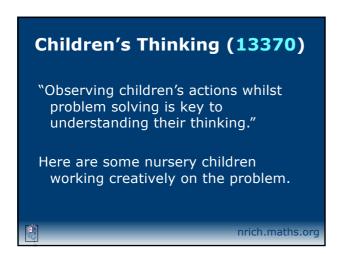


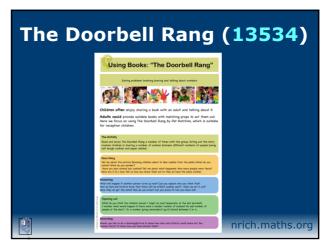




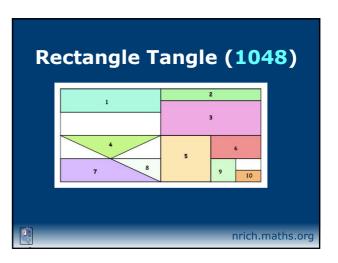
# Reasoning tasks used in 2016-17 Dicey Addition (11863) Jig Shapes (6886) Dicey Operations (6606) Make 37 (1885) Forgot the Numbers (1015) Strike It Out (6589) Heads and Feet (924) Sizing Them Up (4962) School Fair Necklaces (9692) Three Neighbours (8108) Coded Hundred Square (6554) Always, Sometimes, Never (12671) Reasoned Rounding (10945)





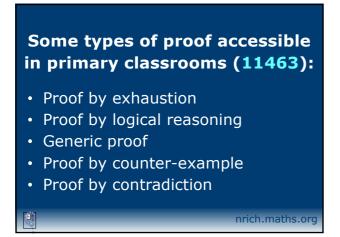


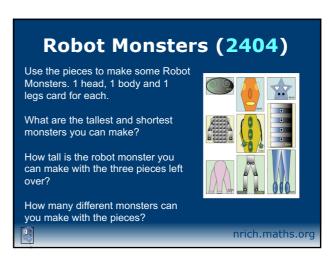


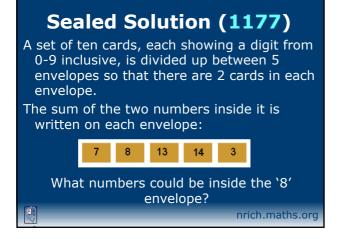












## **Square Subtraction (8065)** • Choose a number

- Square your chosen number
- Subtract your starting number
- Is the number you're left with odd or even?

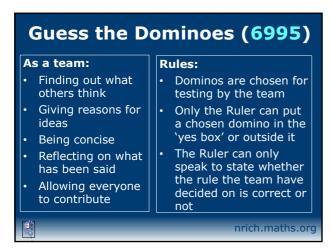
Create a model or a picture of your calculation, and examine this model carefully.

Can you use this one model to prove that your result is always true and not just true for the particular number that you chose to start with?

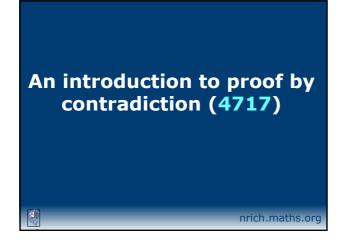


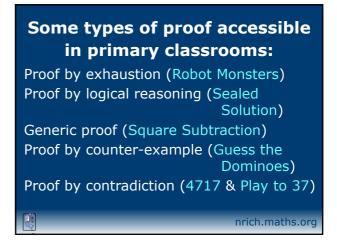








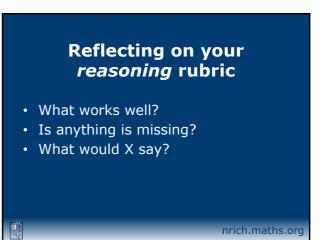




## **Progression in Reasoning**

- Describing
- Explaining
- Convincing
- Justifying
- Proving





## 1. Try two reasoning tasks before Day 5 2. Use your rubric to assess the tasks 3. Bring your completed rubrics to Day 5 along with any reflections/evidence 4. Read Chapter 5 of Transforming Primary Mathematics



