

Problem Solving Unpacked Tasks Naming and drawing attention to problemsolving skills Structuring a problem solving lasson

- Structuring a problem-solving lesson
- Types of problem
- Objectives
- Recording

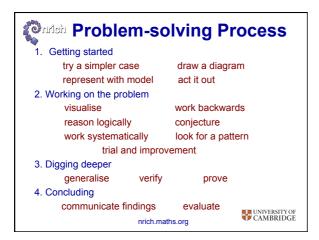
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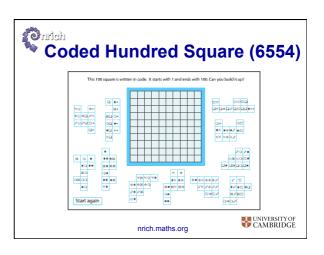
Classroom culture

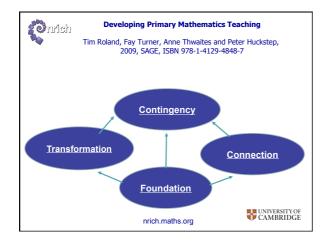
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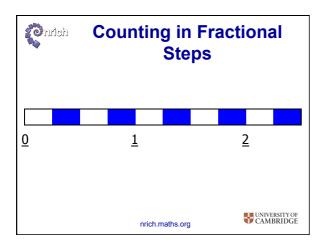
 + = = Stage 1: Getting started Stage 2: Working on the problem Stage 3: Digging deeper Stage 4: Concluding 	The Problem-solving Process	Find a partner and a 0-9 dice. Each of you should draw a blank addition calculation like this:
to 100 wins.	Stage 2: Working on the problemStage 3: Digging deeper	Take turns to throw the dice and decide which of your cells to fill. You must fill a cell before throwing the dice again. Each time the dice is thrown, you <i>both</i> use that number in one of your cells. When you have filled all four cells, <i>whoever has the sum closer</i>
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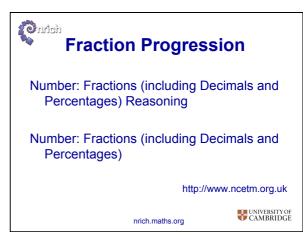




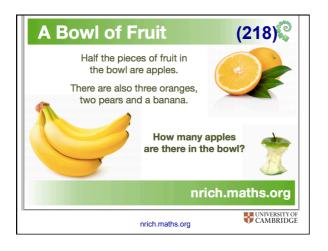














Reasons for Recording

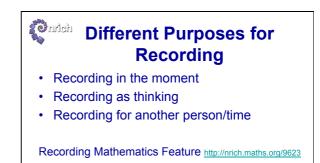
 to help me remember what I did so that I can repeat it

- to record what doesn't work to keep a track of what I've tried
- it may enable me to see a pattern that helps me solve the problem
- it may help me see a short cut

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- it helps me check I have all the solutions
- it helps me externalise my thinking
- it helps me confirm/agree my understanding with others
- it enables me to compare different ways of recording and learn to be elegant, efficient and succinct in the way I record my thinking.

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