Nerida McCredie: The Intentional Task Technique ™

1) Discuss, dispute and elucidate (make clear)



2) Create, compare and evaluate



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The Intentional Task Technique TM

3) Kim stands in a line of people. She is the 25th person counting from the front of the line. She is the 12th person counting from the rear. How many people are in the line?

Discuss and compare the diagrams.

Select the one that you think does the best job of showing the information. **Describe** how it helps to solve the problem.

4) Mystery Numbers

Review, consider and create

- Review the examples that have been shared and consider the sequence and complexity of the clues
- Create a similar challenge. Start with your selection of mystery numbers and create an effective sequence of clues.



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Tangram Activities

Online Tangram at Polypad: https://polypada.amplify.com/p#tangram

Assign values to each piece of a tangram and create challenges:

Create a square worth	using 3 pieces.
Create a trapezium wo	orth using 2 pieces.
Create a rectangle wo	rth using 3 pieces.
Create a rectangle wo	rth using 4 pieces.
Create a square worth	using 3 pieces.
Create a square worth	using 4 pieces.
Create a parallelogram	n worth using 3 pieces.



Example solutions:



The Intentional Task Technique ™:Tangram Footprints

- Identify the smallest footprint that all tangram pieces can fit on.
- Now **exclude** the 2 large triangles.
- **Investigate** footprints made by **combining** a selection of the remaining 5 pieces that all tangram pieces can fit on.
- **Record** 3 different footprints you have created.
- **Compare** your footprints with others.
- **Collect** and record examples that are different to yours.
- **Explore** the minimum number of layers required to stack every tangram on a footprint.



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Tangram Project Page





Pentomino Activities

Which pentominoes can be doubled, using 4 other pentominoes?

Which pentominoes can be folded to create a box without a lid?



Create an 8 by 8 board that fits your pentominoes.

With a partner, share a set of 12 pentominoes.

Take turns placing one onto the board.

The winner is the last player to be able to fit a pentomino on the board.

Work together, taking turns to fit as many pentominoes on the board on as possible.

Work together, taking turns to fit as few pentominoes on the board, leaving no space for another pentomino to fit.

