

Title: Math Unit: Pentominoes (Slides, Turns & Flips)

Learning Intention/Description of Learning Activity:

Pentominoes are shapes made from five joined squares. Joined with at least one common side. There are twelve ways to create these shapes. They have been named T, U, V, W, X, Y, Z, F, I, L, P, and N respectively. There are two restrictions to what counts as a pentomino. If a shape can be rotated to look like another, the two shapes are the same. If a shape can be flipped to look like another, the two shapes are the same. Students were required to cover outlines of the pentomino shape with the correct shape as well they needed to be able to slide, turn or flip the shape and trace it.

Teacher Comments/Feedback:

NAME is currently at an “emerging” level of understanding for grade-level expectations.

HE/SHE required some reminders and prompts to listen carefully to the instructions and to try to demonstrate HIS/HER best effort. HE/SHE struggled to complete the work and so support was given one-to-one to complete most of the worksheet pages. SHE/HE struggled to demonstrate that HE/SHE could identify the Pentomino shapes, as well as show that SHE/HE could fit the pieces together into complete puzzles and slide, turn or flip the shapes and trace them. HE/SHE required reminders and prompts to watch and listen to the videos and instructions appropriately and to follow along with the instructions, examples and modelling shown such as, with the worksheet walk-through videos.

Next steps:

Continue to learn more about Pentomino pieces. Investigate on the Internet. Make your own pentomino shapes out of construction paper using 5 equal size squares to create them.

Student Self Reflection:

Proficiency Scale

Emerging	Developing	Proficient	Extending
Just beginning to demonstrate learning in relation to the Learning Standards of the Curriculum	Demonstrating learning in relation to Learning Standards of the Curriculum with growing consistency	Demonstrates the expected learning in relation to the Learning Standards of the Curriculum	Demonstrating learning in relation to Learning Standards with increasing depth and complexity

Emerging	Developing	Proficient	Extending
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