TOOL // Math Quiz – Data Recording Form

What is it used for?
The tool allows the teacher to organize data from a formative quiz that allows them to identify class and individual student needs.

How do you use it?
The teacher inputs the Expectations from the math curriculum which are the focus of the quiz in the chart to the right matching a question number to the particular expectation. After marking a math quiz or during, the teacher records a quick tally of the students who had a question wrong. Once complete the teacher can identify and area in which a large majority of the students were unable to be successful on the question. This guides the teaching of subsequent whole group lessons. The teacher than looks at the individual students and which areas are they experiencing difficulty and records their name in the matching box at the bottom of the page. These then become the students who make up the groups for small group instruction or enrichment. If there are students that have mastered the skills the teacher can also identify enrichment tasks with problem solving that they can work on.

How do you adapt it to other subjects and topics?
This form can easily be adapted to any strand or teaching focus in mathematics by replacing the expectations in the expectation column.

Math Formative Quiz Geometry – Data Collection

Class Data

K and U	Tally Incorrect	Expectation
1	//	Identifies 3D shapes
2	////	Matches net to 3D shape
3	~~////~~ /	Describes faces and vertices
Thinking		
4	///	Sort and classify 3D shapes by their attributes
Communication		
5	~~////~~ ~~////~~ ~~////~~ //	Explains sorting and classification using mathematical vocabulary

Class Needs

more modelling and practice with explaining sorting rules

Student Challenges

Identification	Nets	Sorting Classifying	Explaining Thinking
Sam Lisa	Sam Lisa Dakota May	Sam Lisa Dakota ~~Sam~~	whole class with exception of Riley, Rachel, Emma

Enrichment

→ problem solving 3D shapes

Math Formative Quiz 3D Geometry – Data

K/U	Tally Incorrect	Expectation
1		Identifies 3D shapes
2		Matches net to 3D shape
3		Describes faces and vertices
Thinking		
4		Sorts and classifies 3D shapes by attributes
Communication		
5		Explains sorting and classification using mathematical vocabulary

Class Needs

_____

_____

_____

Student Needs

Identification	Nets	Sorting/Classifying	Explaining

Enrichment