



Speak like a mathematician!

Year 5 Oracy Maths Mat

Use these stems and roles to explain your thinking, justify your reasoning,

Voice 21 Discussion Roles and Sentence Stems

	Instigator "Let's start by..." "This reminds me of..." "We could try..."		Prober "Can you justify your answer?" "Why does that work?" "What's your evidence?"
	Challenger "I can challenge that because..." "I understand, but..." "Could there be another way?"		Clarifier "Do you mean that...?" "Can you explain with an example?" "Which method are you using?"
	Summariser "The key points are..." "So far, we have found that..." "We agreed that..."		Builder "I agree and I'd like to add..." "That links to our last lesson when..." "Building on your idea, we could..."



Mathematical Talk Stems

- "I can prove this by..."
- "My estimate shows the answer is reasonable because..."
- "The most efficient method is... because..."
- "This pattern suggests..."
- "I checked using the inverse."
- "I disagree because my calculation shows..."
- "I refined my method by..."
- "This connects to..."

Talk like Katherine Johnson in Year 5



Key Year 5 Mathematical Vocabulary

Place Value Thousands, ten-thousands, hundred-thousands, decimal, tenths, hundredths, thousandths, rounding, estimate.

Addition & Subtraction Efficient method, regroup/exchange, column method, inverse, difference.

Multiplication & Division Factor, multiple, product, quotient, square, cube, prime, composite.

Fractions/Decimals/Percentages Equivalent, improper fraction, mixed number, simplify, percentage, convert.

Measure Perimeter, area, volume (intro), metric, convert, units (mm, cm, m, km; ml, l; g, kg).

Shape & Geometry Polygon, regular/irregular, symmetry, reflection, translation, angle, protractor.

Statistics Table, two-way table, line graph, interval, trend, compare.

Position & Direction Coordinates (first quadrant), axis, grid, translate.

Top Tips for Mathematical Discussion

- Use precise vocabulary - be a *mathematical talk expert*.
- Always build or challenge respectfully.
- Listen carefully before you respond.
- Explain your reasoning, not just your answer.

