









Speak like a mathematician!

# Year 6 Oracy Maths Mat

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

## Voice 21 Discussion Roles and Sentence Stems

	<b>Instigator</b> "Let's explore the idea that..." "I'd like to start with..." "We could begin by..."		<b>Prober</b> "Can you give evidence for that?" "What would happen if we changed...?" "Why do you think that works?"
	<b>Challenger</b> "To challenge that, I think..." "Have you considered...?" "I see it differently because..."		<b>Clarifier</b> "Just to be clear, do you mean...?" "Could you define that term?" "Can you explain using an example?"
	<b>Summariser</b> "In conclusion..." "The main things we've learned are..." "We agreed that..."		<b>Builder</b> "Adding to that point..." "That supports the idea that..." "Building on what you said..."

## Mathematical Talk Stems



"I can justify this because..."

"My method works because..."

"To prove this, I used..."

"The pattern I noticed is..."

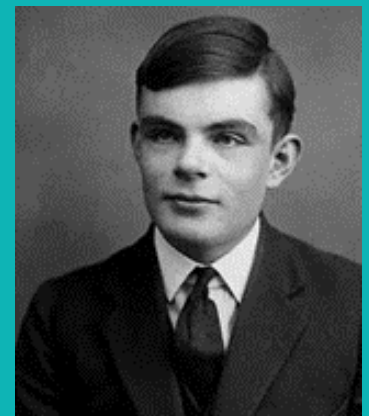
"This connects to when we learned..."

"I disagree because my calculation shows..."

"I can check my answer by..."

"The most efficient method is... because..."

Talk like Alan Turing  
in Year 6



# Key Year 6 Mathematical Vocabulary

## Place Value

Ten million, hundred thousand, integer, negative number, millions, power of 10, ten thousand.

## Addition and Subtraction

Order of operations, accurate, approximate, constant difference, strategy.

## Multiplication and Division

Composite number, order of operations, powers of, common multiple, common factor, cube number, prime number, square number.

## Fractions, Decimals & Percentages

Simplify, simplest form, recurring, fraction, decimal, percentage.

## Measure (Money, Length, Mass, Capacity, Time)

Formula, imperial, metric, volume, convert, duration, analogue clock, 24-hour clock, digital clock.

## Shape & Geometry

Base, circumference, diameter, dimensions, interior angle, intersect, net, opposite angles, radius.

## Statistics

Average, mean, pie chart, variable, dual bar chart, data, estimate, line graph.

## Position, Direction, Ratio & Algebra

X-axis, Y-axis, coordinates, reflection, translation, proportion, ratio, scale factor, algebra, expression, equation, solve, function.

## 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.

