



TEACHING FOR MASTERY



THE THREE MAIN ELEMENTS OF THE
MATHS NATIONAL CURRICULUM ARE..

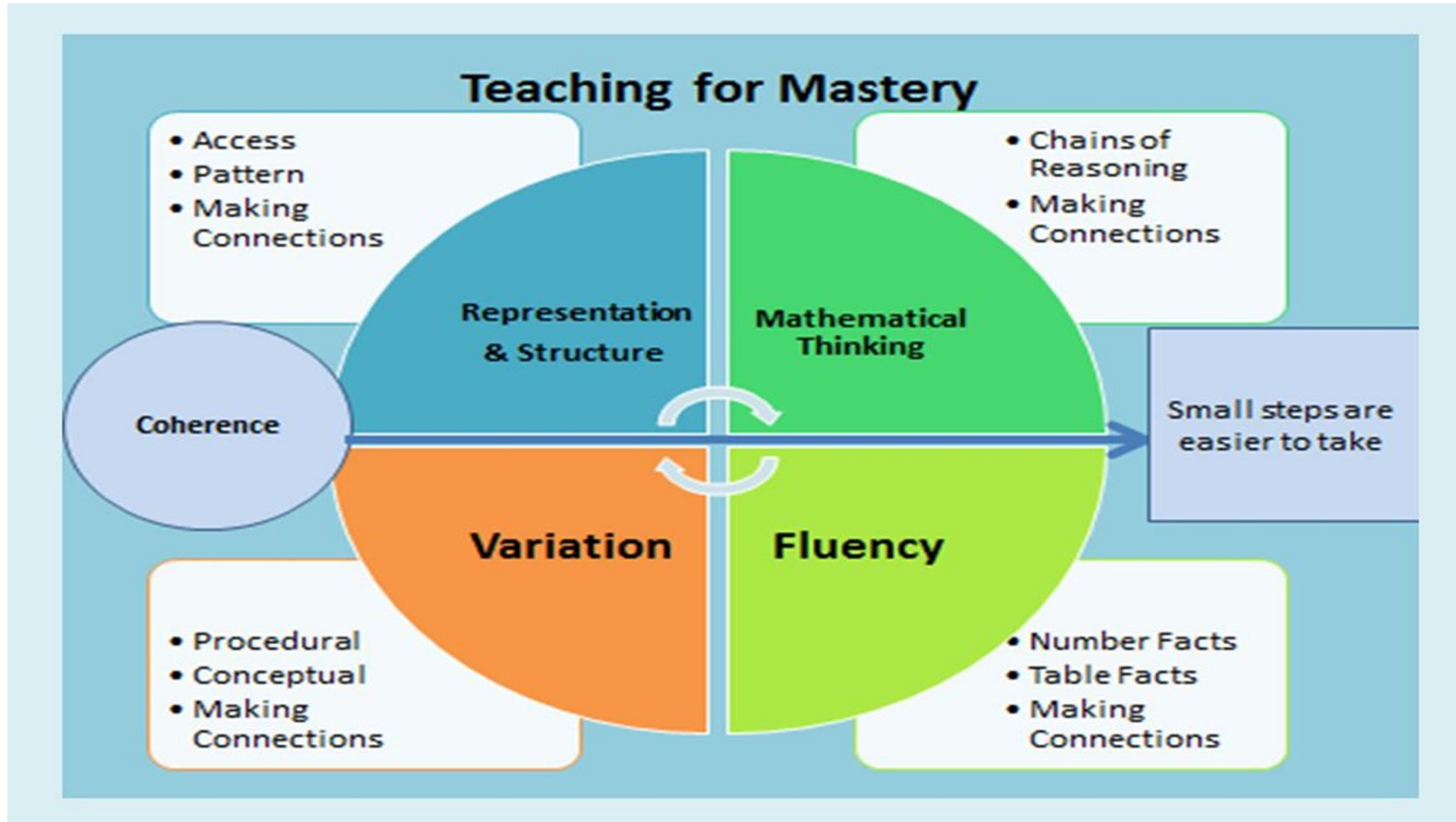
Fluency

Reasoning

Problem Solving

So how will
teaching for
Mastery meet the
aims of the
National
Curriculum?

WHAT IS TEACHING FOR MASTERY?



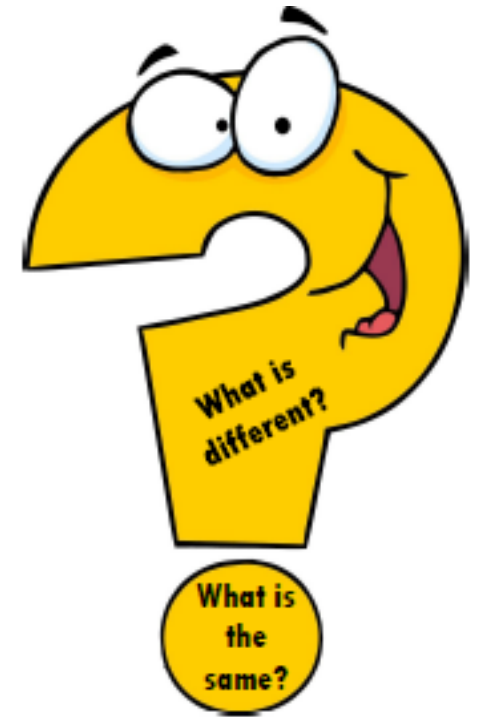
NATIONAL CURRICULUM REQUIRES THAT...

Pupils will become **fluent** in the fundamentals of mathematics, including increasingly complex **problems** so that they develop conceptual understanding and the ability to recall and **apply** **knowledge, rapidly and accurately.**

HOW DO YOU PROMOTE FLUENCY IN YOUR SCHOOL?

Children are expected to exhibit mathematical fluency: this is the recall of number facts and the ability to use formal, informal and mental calculations both accurately and with some degree of speed. They should be able to judge which method is the most efficient for a given situation

WHAT IS YOUR PROVISION FOR REASONING AT ALL LEVELS?



WHAT STRATEGIES DO YOUR TEACHERS USE TO TEACH PROBLEM SOLVING?



Word Problems



Real life contexts



Manipulatives



Part Part Whole



The Bar Model

THE ELEMENTS OF TEACHING FOR MASTERY

THE FIVE BIG IDEAS

