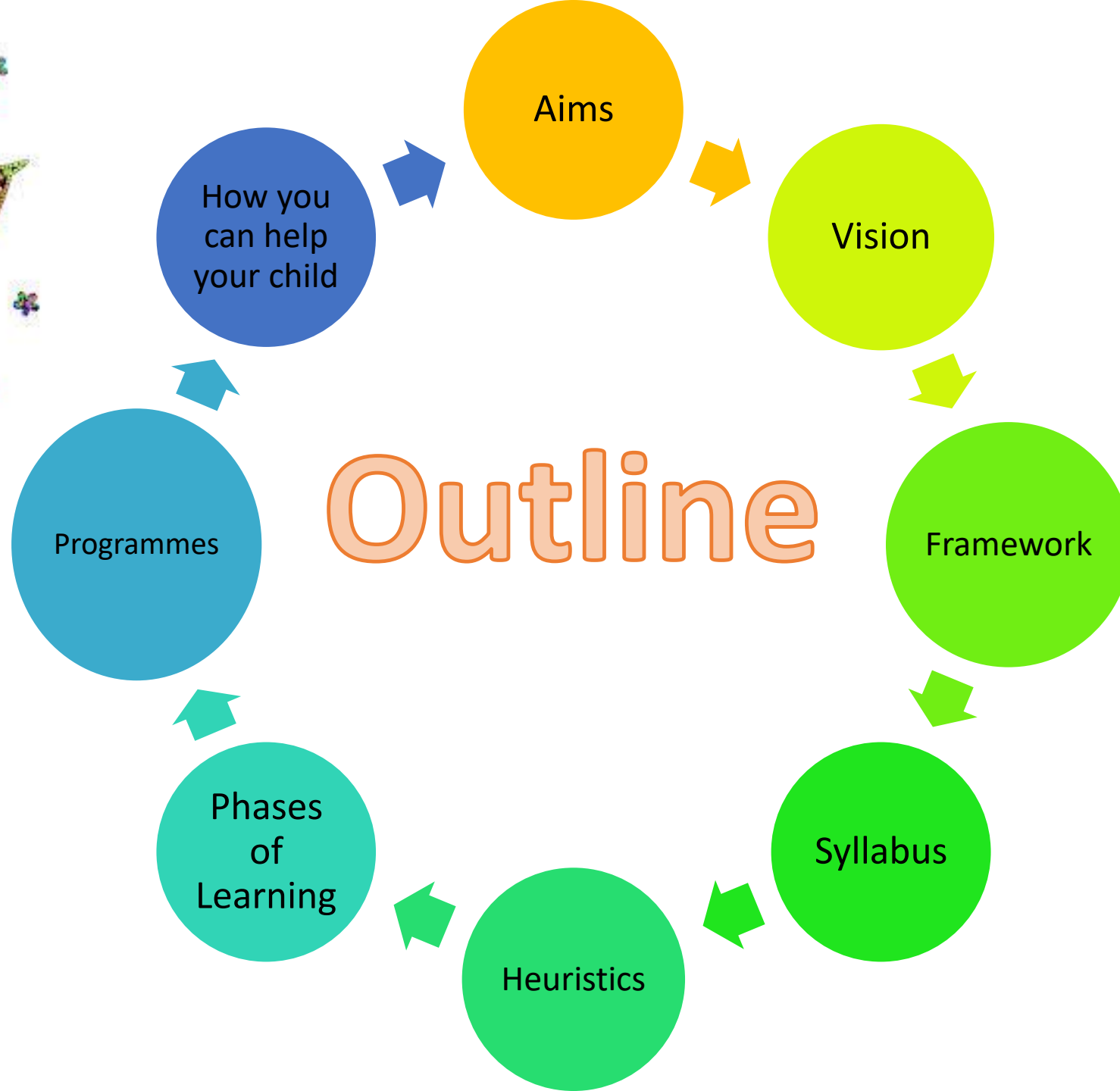




MATHEMATICS

Information for Primary 5 Parents



Primary Mathematics **(Laying a strong foundation)**

The Primary Mathematics syllabus aims to enable all students to:

- Acquire mathematical concepts and skills for everyday use and for continuous learning in Mathematics.
- Develop thinking, reasoning, communication, application and metacognitive skills through a mathematical approach to problem solving; and
- Build confidence and foster interest in Mathematics

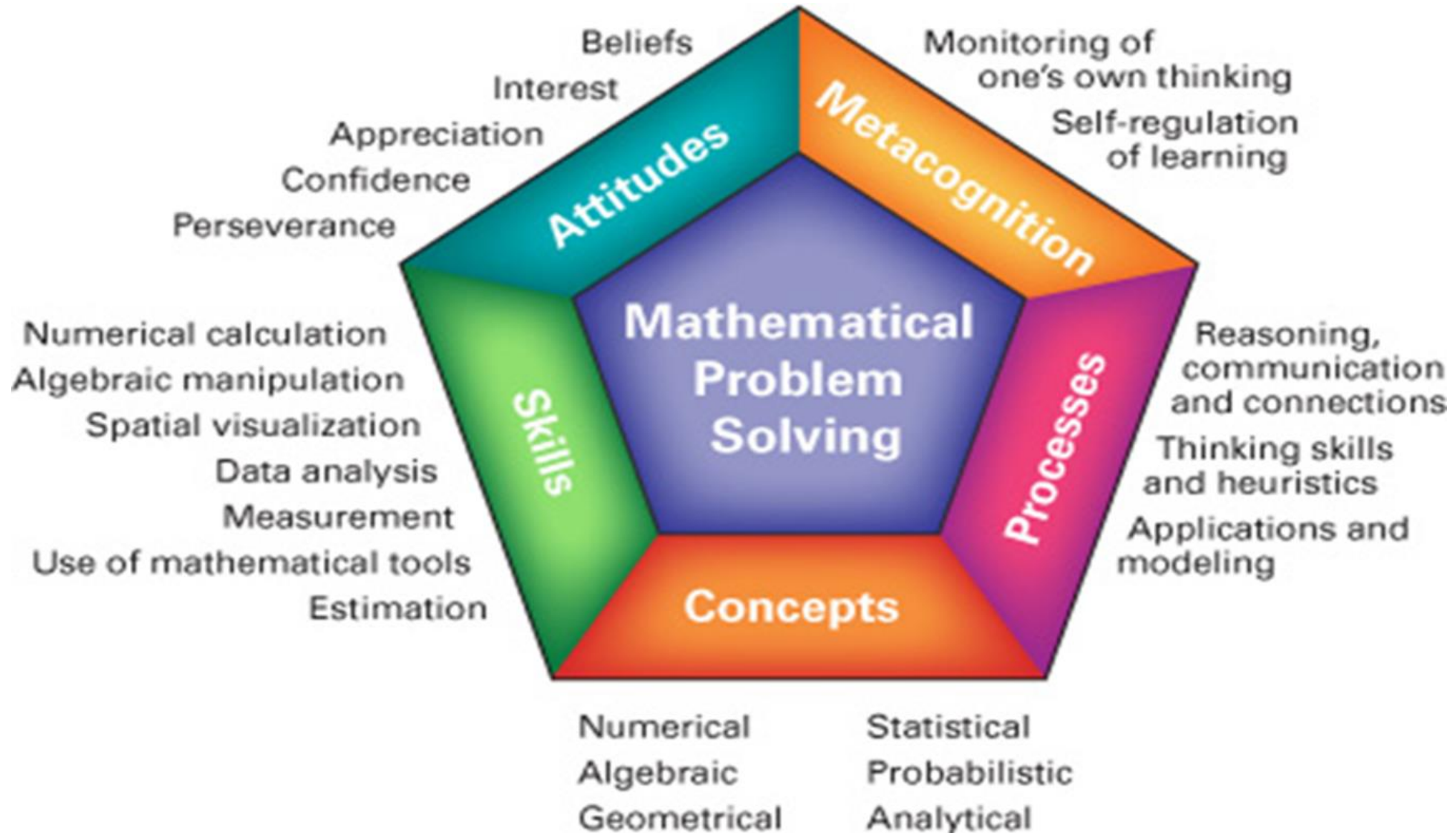


Ma Department Vision

**A Creative, Innovative and Effective Mathematics
Problem Solver**



Ma Framework



From the Singapore Ministry of Education

Ma Syllabus Organisation (S)

The syllabus is organised along three content strands with a listing of mathematical processes that cut across the 3 strands.

3 Content Strands + 1 Process Strand		
Number and Algebra	Measurement and Geometry	Statistics
<ul style="list-style-type: none">Numbers Up to 10 MillionFour Operations – Whole NumbersFraction and DivisionFour Operations – FractionFour Operations - DecimalsPercentageRatioRate	<ul style="list-style-type: none">Area of TriangleVolume of Cube and CuboidAnglesTrianglesParallelogram, Rhombus and Trapezium	<ul style="list-style-type: none">Average of a set of data
Mathematical Processes		
Reasoning, Communication, Connection, Application, Thinking Skills and Heuristics		

Ma Syllabus Organisation (F)

The syllabus is organised along three content strands with a listing of mathematical processes that cut across the 3 strands.

3 Content Strands + 1 Process Strand		
Number and Algebra	Measurement and Geometry	Statistics
<ul style="list-style-type: none">Numbers Up to 10 MillionFour Operations – Whole NumbersFactors and MultiplesConcepts of FractionsEquivalent FractionsMixed Numbers and Improper FractionsFour Operations – FractionsDecimals Up to 3 Decimal PlacesFour Operations – DecimalsRate	<ul style="list-style-type: none">TimeArea and PerimeterVolume of Cube and CuboidPerpendicular and Parallel LinesAnglesRectangle and Square	<ul style="list-style-type: none">Tables, Bar Graphs and Line Graphs
Mathematical Processes		
Reasoning, Communication, Connection, Application, Thinking Skills and Heuristics		

Heuristics (P1 to P5)

Draw a diagram/ model

Make a systematic list/ tabulation

Look for patterns

Guess and Check

Act it Out

Use Before-and-After Concept

Work Backwards

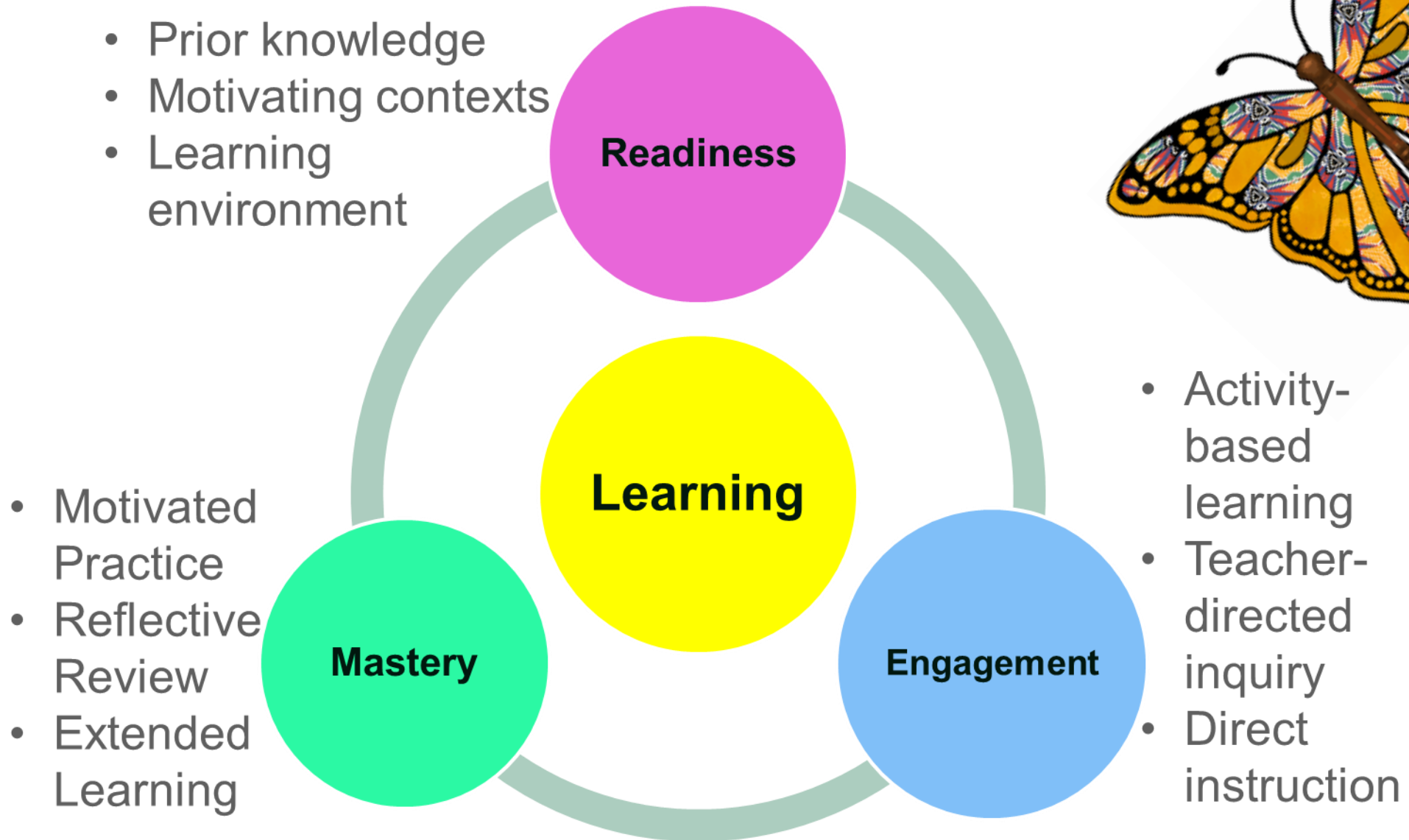
Restate the problem in another way

Simplify the problem

Make suppositions



Phases of Learning



Checkpoints

Daily
assignments

Experiential
Learning
activities

Math Alive

Class, group
and individual
tasks

Diagnostic
Package

Open Ended
Tasks



Weighting

Term 1	Term 2	Term 3	Term 4
10%	15%	10%	65%
1 WA	1 WA	1 WA	SA2

Weighted Assessment – WA

Semestral Assessment 2 – SA2



Format – P5(S)



Paper 1 (Booklet A)	Paper 1 (Booklet B)	Paper 2
Duration: 1 Hour		Duration: 1 Hour and 30 Minutes
No calculator allowed		Calculator allowed
15 Multiple Choice Questions	15 Short-Answer Questions	<ul style="list-style-type: none">• 5 Short-Answer Questions• 12 Long-Answer Questions
20 Marks	25 Marks	55 Marks

Format – P5(F)



Paper 1 (Booklet A)	Paper 1 (Booklet B)	Paper 2
Duration: 1 Hour		Duration: 1 Hour
No calculator allowed		Calculator allowed
20 Multiple Choice Questions	10 Short-Answer Questions	<ul style="list-style-type: none">• 10 Short-Answer Questions• 6 Long-Answer Questions
30 Marks	20 Marks	40 Marks

Department Programmes

**Reasoning
Cartoon**

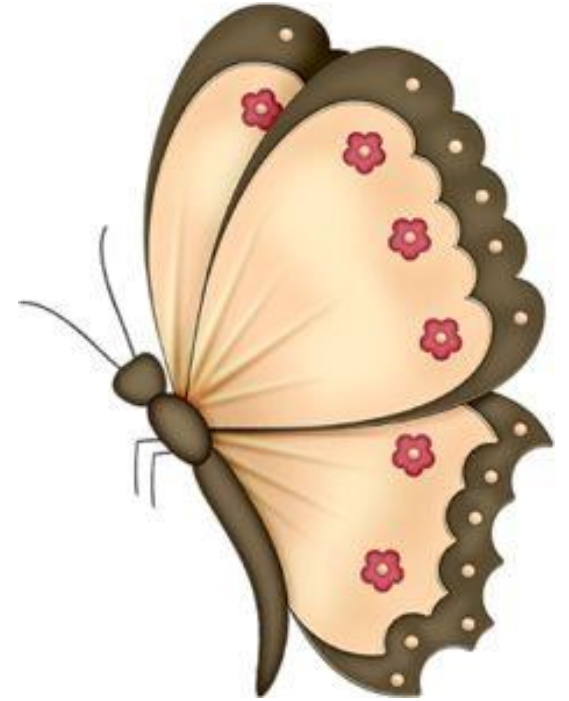
Math Alive

Integrated Trail

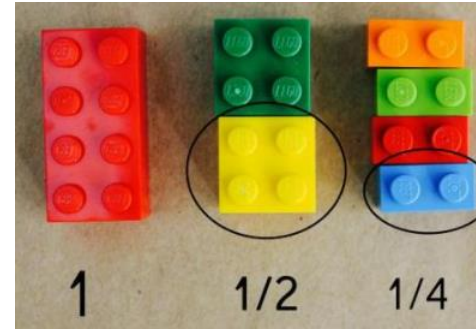
**Talent
Development**

E2K

**Math
Olympiad**



How can you help your child in Mathematics



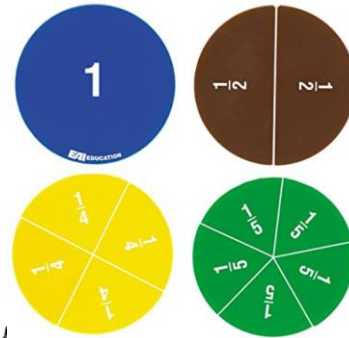
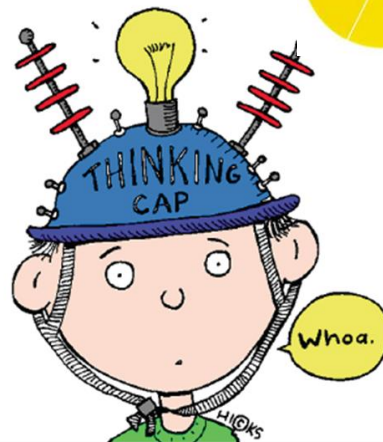
Concrete Approach
(Fractions Disc/ Lego)

Ma Games

Model Drawing (Heuristics)

Making Thinking Visible

what
do you
think is
going on?



CONTACT DETAILS

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