Mathematics @ RMPS

P1 Parent Briefing

The Primary Mathematics syllabus aims to enable all students to:

Acquire mathematical concepts and skills for everyday use and continuous learning in Mathematics

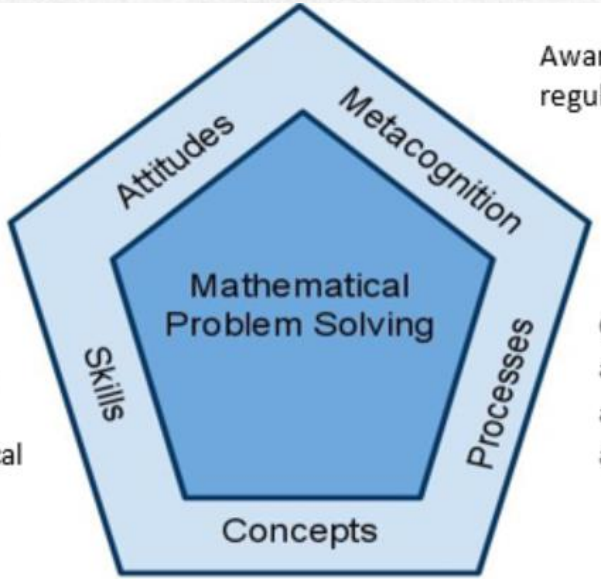
Develop thinking, reasoning, communication, application and metacognitive skills through a mathematical approach to problem-solving

Build confidence and foster interest in Mathematics

Singapore Mathematics Framework

Belief, appreciation, confidence, motivation, interest and perseverance

Awareness, monitoring and regulation of thought processes



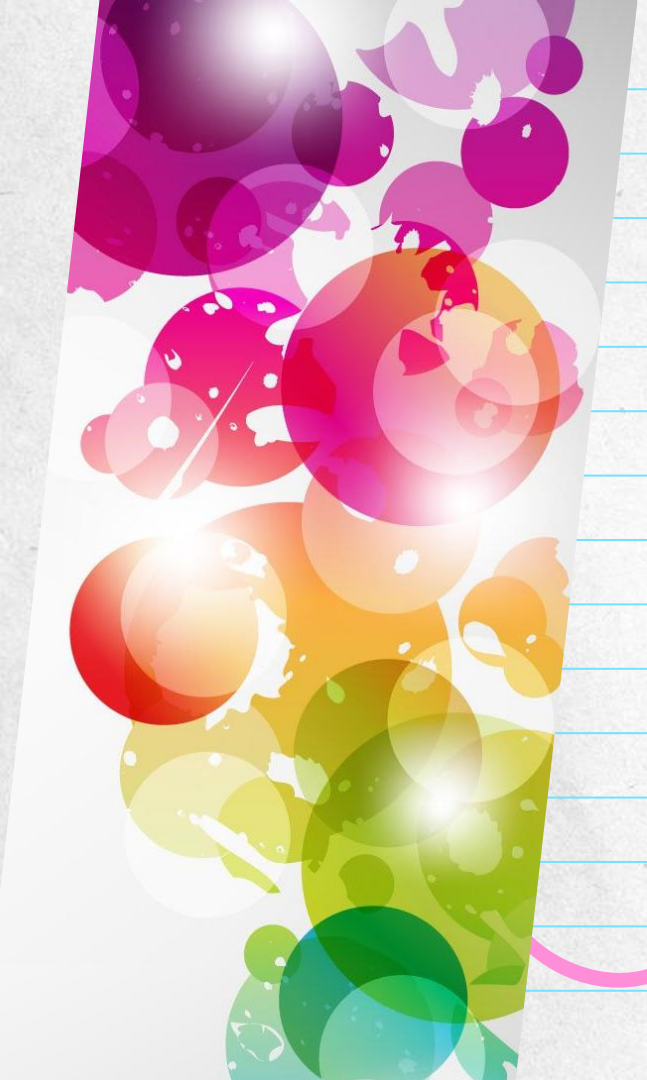
Proficiency in carrying out operations and algorithms, visualising space, handling data and using mathematical tools

Competencies in abstracting and reasoning, representing and communicating, applying and modelling

Understanding of the properties and relationships, operations and algorithms

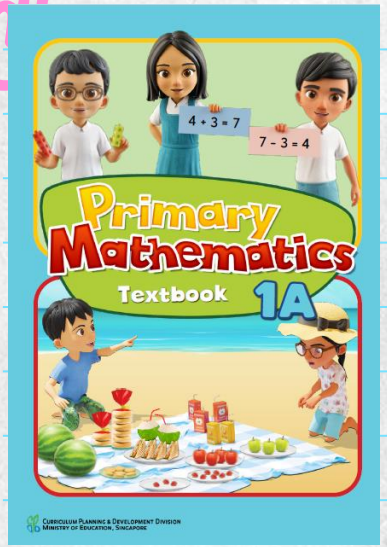
Our Vision

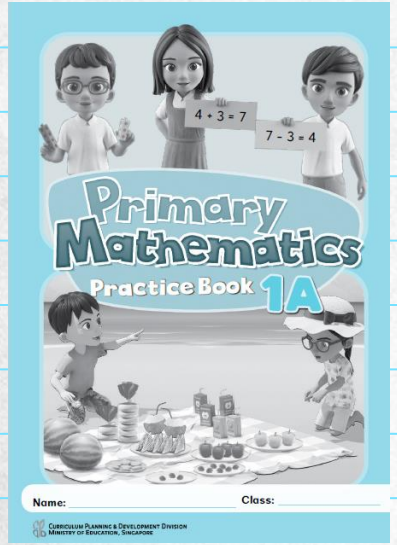
A Creative, Innovative and Effective Mathematics Problem Solver



Content Syllabus — Primary 1

Semester 1	
Numbers to 10 Addition Up to 10 Subtraction Up to 10 Shapes Ordinal Numbers	Numbers to 20 Addition & Subtraction Up to 20 Picture Graphs Numbers to 100
Semester 2	
Addition & Subtraction within 100 Length Multiplication	Division Time Money


4 + 3 = 7
7 - 3 = 4
Primary Mathematics
Textbook 1A
Curriculum Planning & Development Division
Ministry of Education, Singapore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Name:
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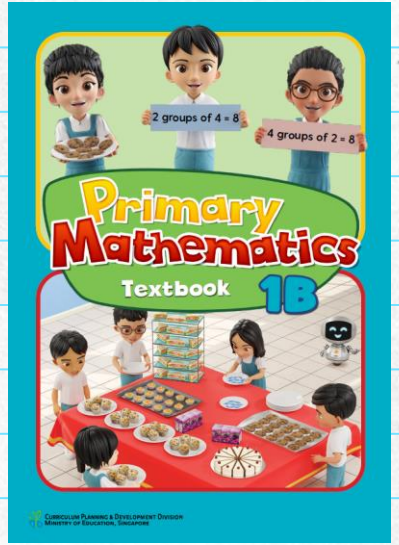
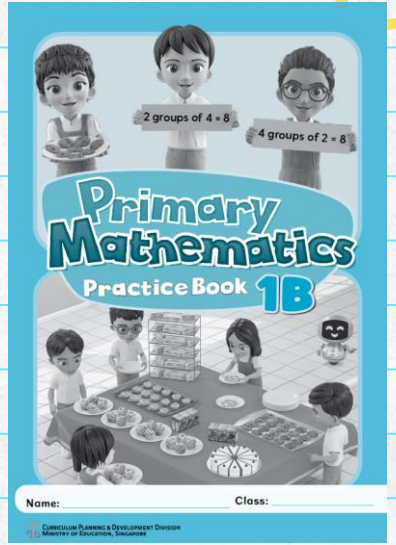

2 groups of 4 = 8
4 groups of 2 = 8
Primary Mathematics
Textbook 1B
Curriculum Planning & Development Division
Ministry of Education, Singapore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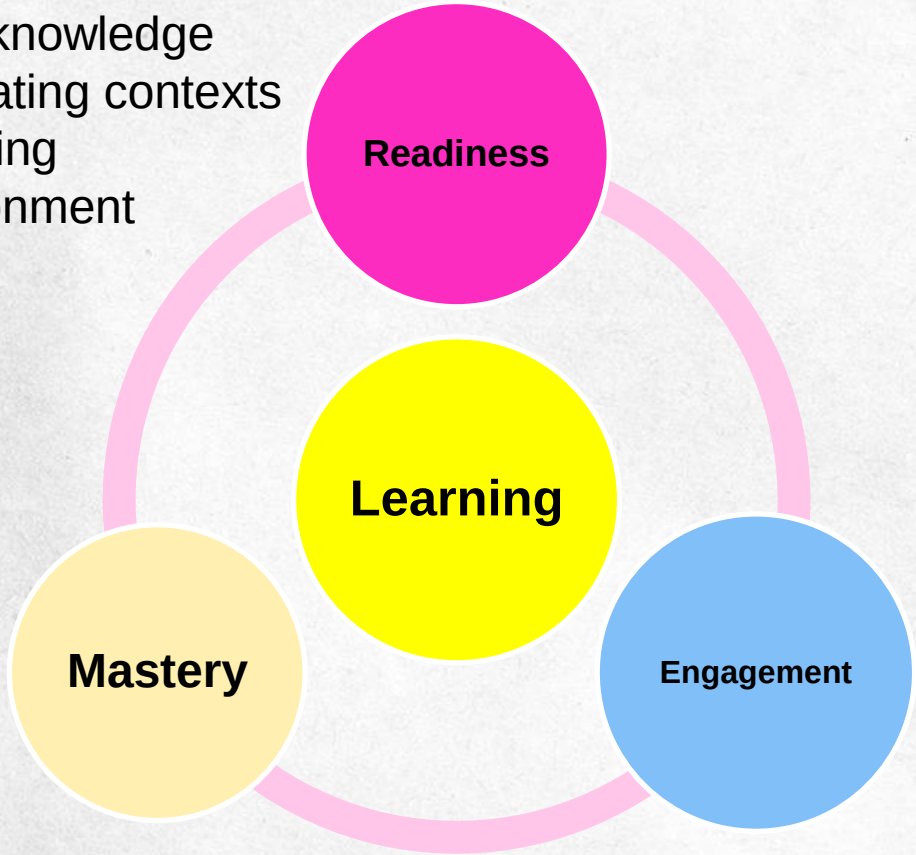
Phases of Learning

- Prior knowledge
- Motivating contexts
- Learning environment

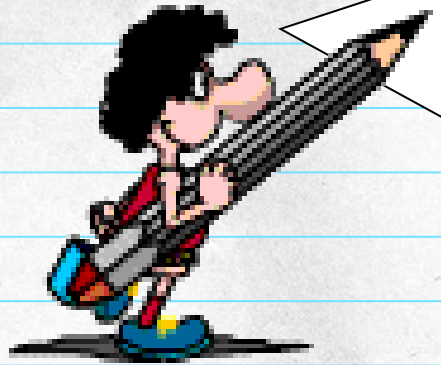


- Activity-based learning
- Teacher-directed inquiry
- Direct instruction

- Motivated Practice
- Reflective Review
- Extended Learning

Our approach when teaching Math concepts to young children is from ‘Concrete’ to ‘Pictorial’ to ‘Abstract’.

C-P-A Approach



Model Drawing

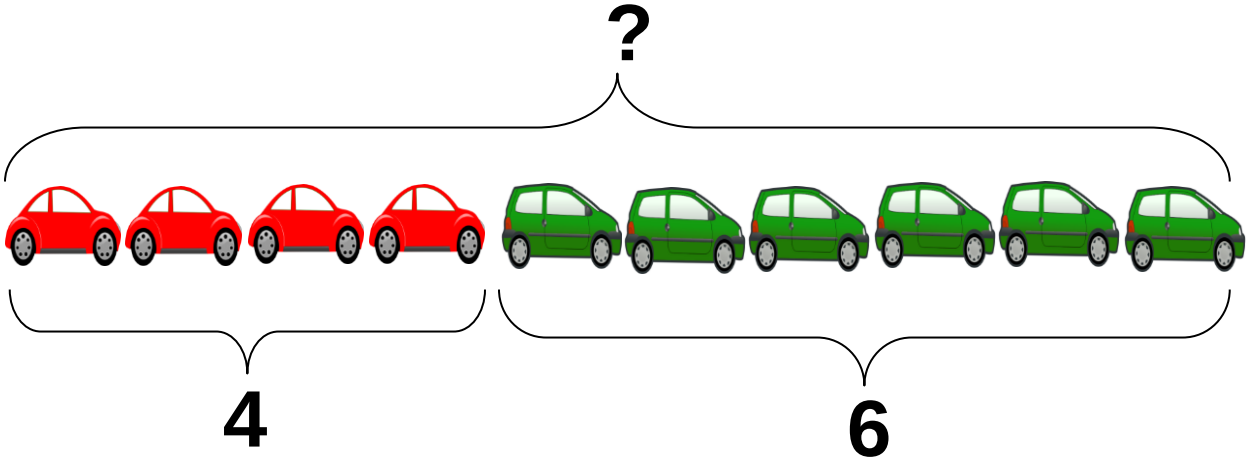
- To allow students to “see” the word problem in a mathematical way and help them to solve the problem sums

Concrete Objects

Drawing of Rectangular Bars

Solve Abstract Word Problem

Sam has 4 red toy cars. He buys 6 more green toy cars. How many toy cars does he have now?



$$4 + 6 = 10$$

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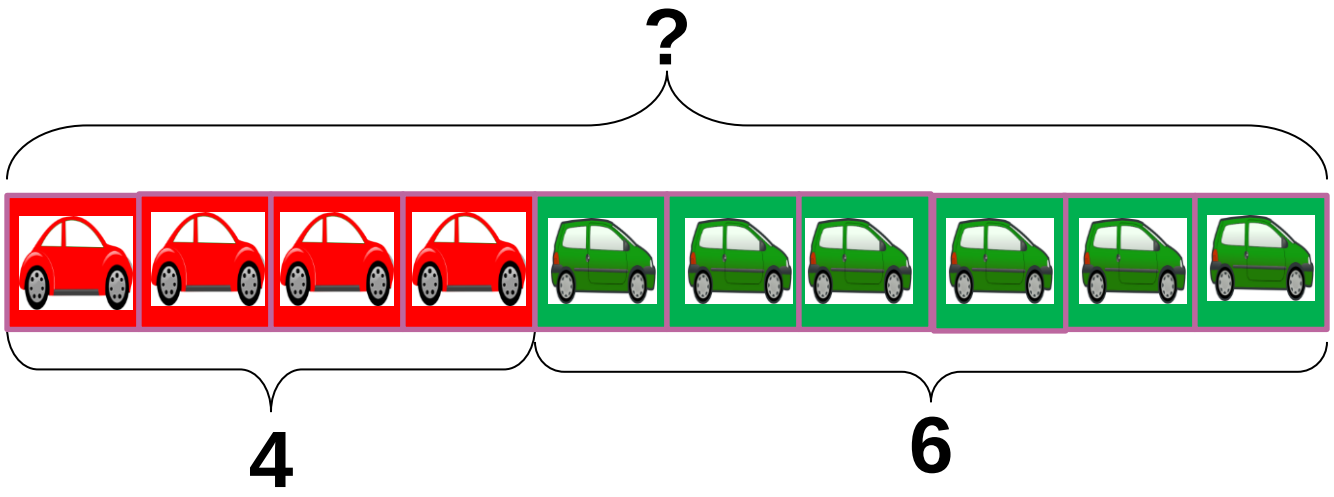

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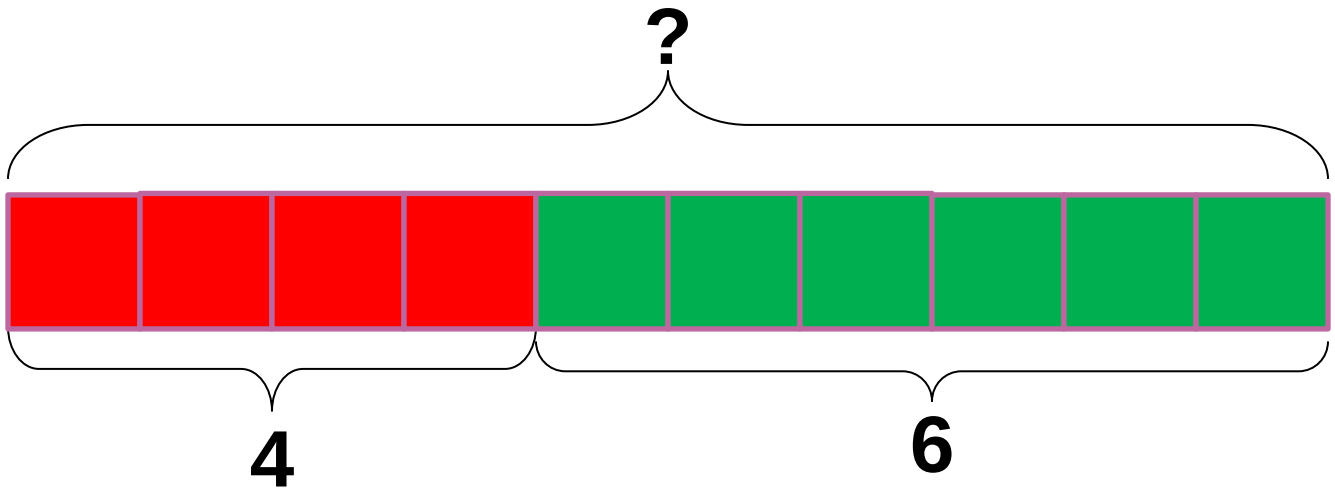

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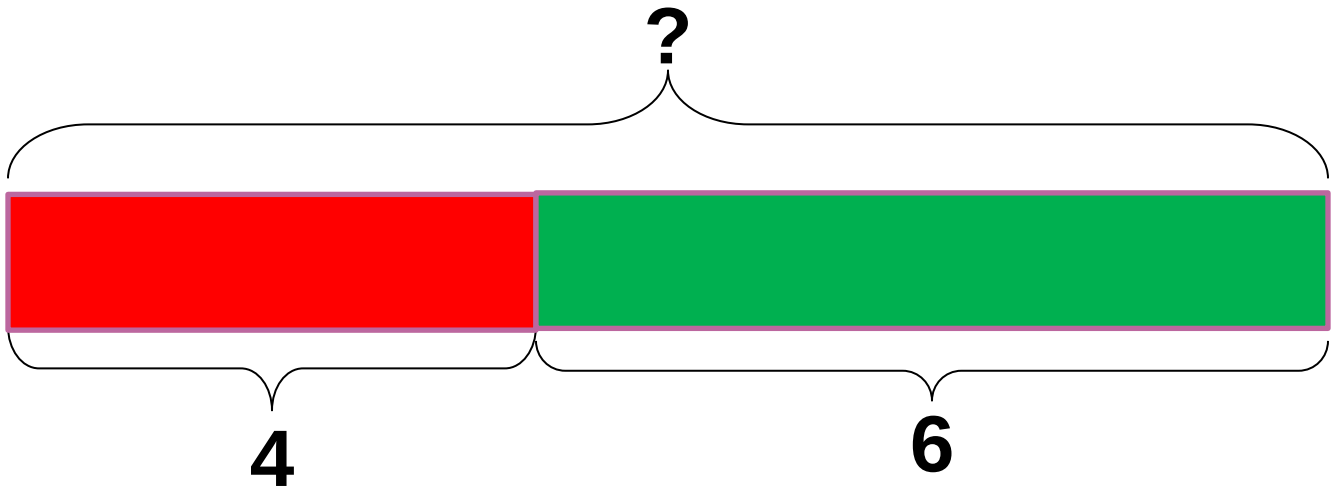
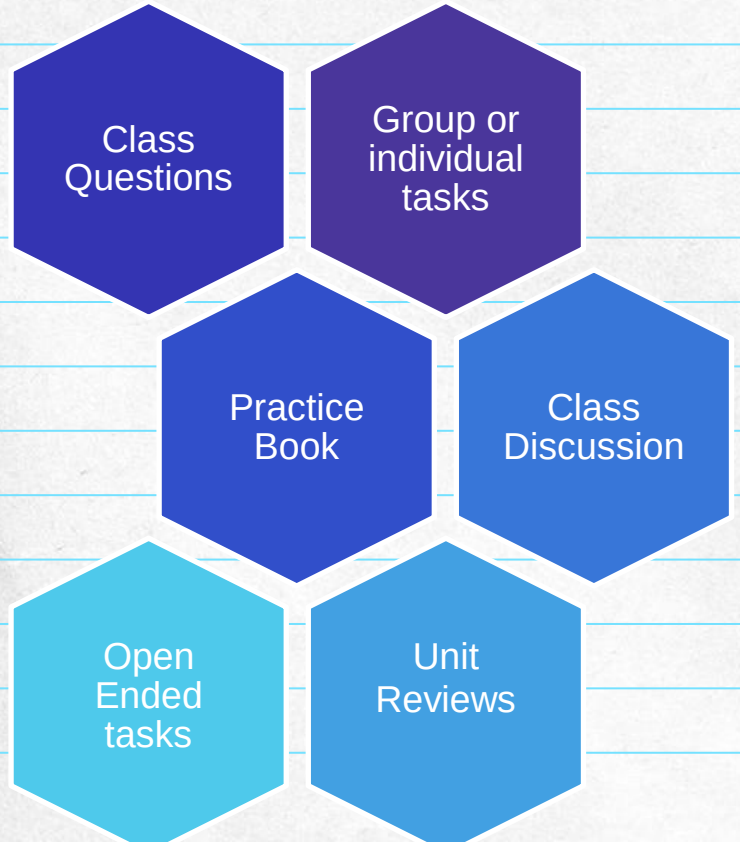


$$4 + 6 = 10$$

Checkpoints



Learning Support for Math (LSM)

- ✓ Provide help for students with weak basic numeracy skills
- ✓ Students receive more individual attention from teacher
- ✓ Students learn through hands-on experiences

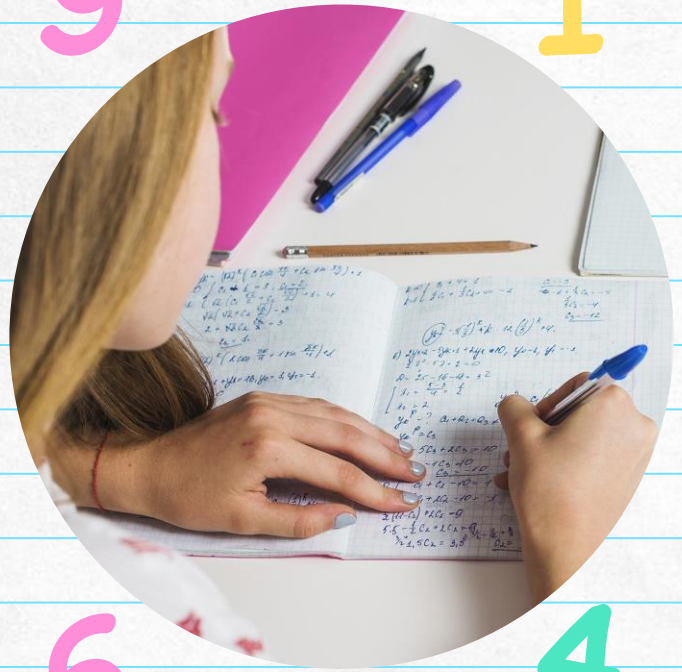
Money Sense!

- Able to count amount of money in dollars up to $100
- Build confidence and foster interest in Mathematics
- Reward system
- Understand the value of money
- Sound decision-making

Math Alive

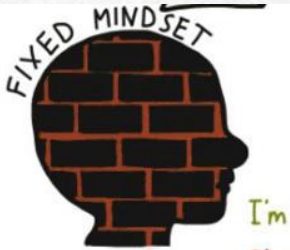
To provide a platform for students to explore and relate the mathematical concepts that they have learnt to real-life scenarios.

How can you help your child in Mathematics?



Growth Mindset

I can learn anything I want to.
When I'm frustrated, I persevere.
I want to challenge myself.
When I fail, I learn.
Tell me I try hard.
If you succeed, I'm inspired.
My effort and attitude determine everything.



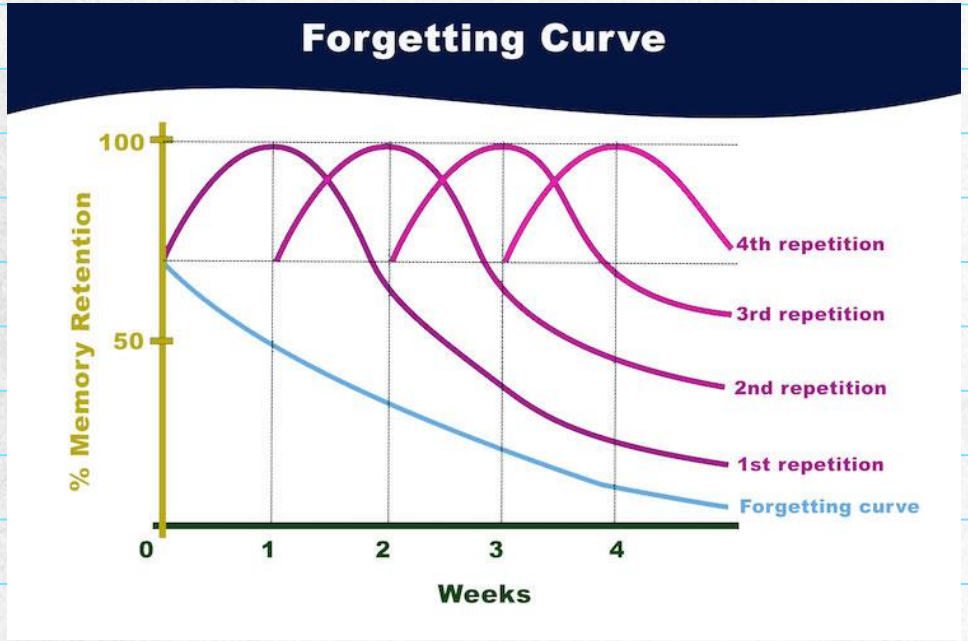
What can I say to myself?

INSTEAD OF:	TRY THINKING:
I'm not good at this.	1 What am I missing?
I'm awesome at this.	2 I'm on the right track.
I give up.	3 I'll use some of the strategies we've learned.
This is too hard.	4 This may take some time and effort.
I can't make this any better.	5 I can always improve so I'll keep trying.
I just can't do Math.	6 I'm going to train my brain in Math.
I made a mistake.	7 Mistakes help me to learn better.
She's so smart. I will never be that smart.	8 I'm going to figure out how she does it.
It's good enough.	9 Is it really my best work?
Plan "A" didn't work.	10 Good thing the alphabet has 25 more letters!

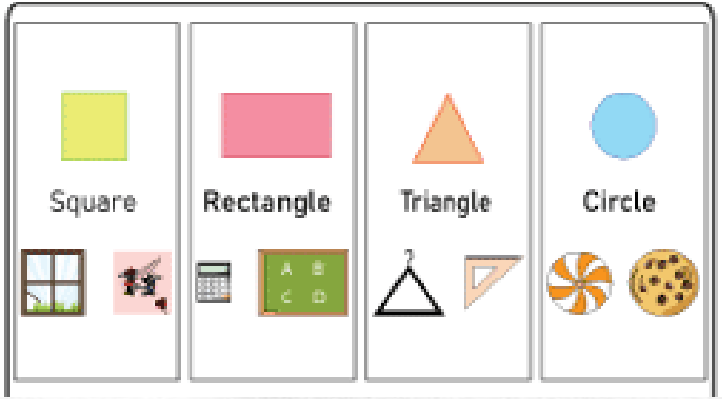
Process Praise

Person Praise	Process Praise
Great job! You must be smart at this.	Great job! You must have worked really hard.
See, you are good at Math. You got an A on your last test.	You really studied for your Math test and your improvement shows it.
You got it! I told you that you are smart.	I like the way you tried all kinds of strategies on that math problem until you finally got it.

Spaced Repetition

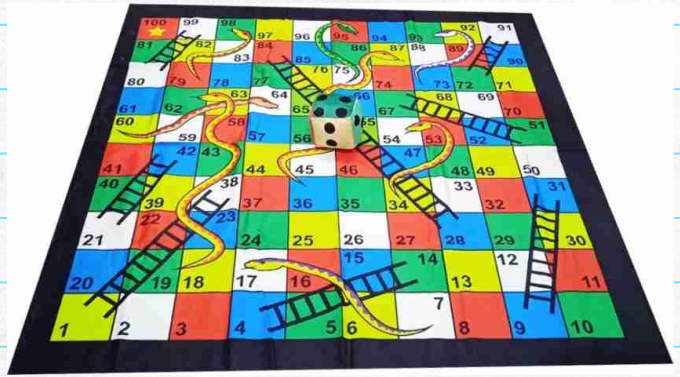


Math in Real-Life



Games


MAKE A NUMBER!
Challenge Mode
Game Mode
Practice
Play
3 cards
4 cards
A Fun Number Game from MathPlayground.com



Contact Details

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