

MPM[®] math

Education Paves the Road to the Future.



1

To improve overall math skills by balancing the growth of calculation and conceptual abilities.



4

To strengthen self-confidence by continuously challenging the new and the unknown.



2

To promote "true" problem-solving skills through the development of independent, divergent, and creative thinking.



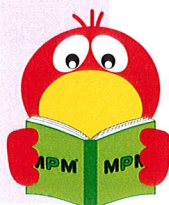
5

To revitalize the enjoyment of learning mathematics.



3

To encourage an active, self-learning attitude through PSL.



Welcome to **MPM[®]**

To Love Life

To Search for Excellence

To Build a Better Future



Every student is unique.



Every student is the key person.



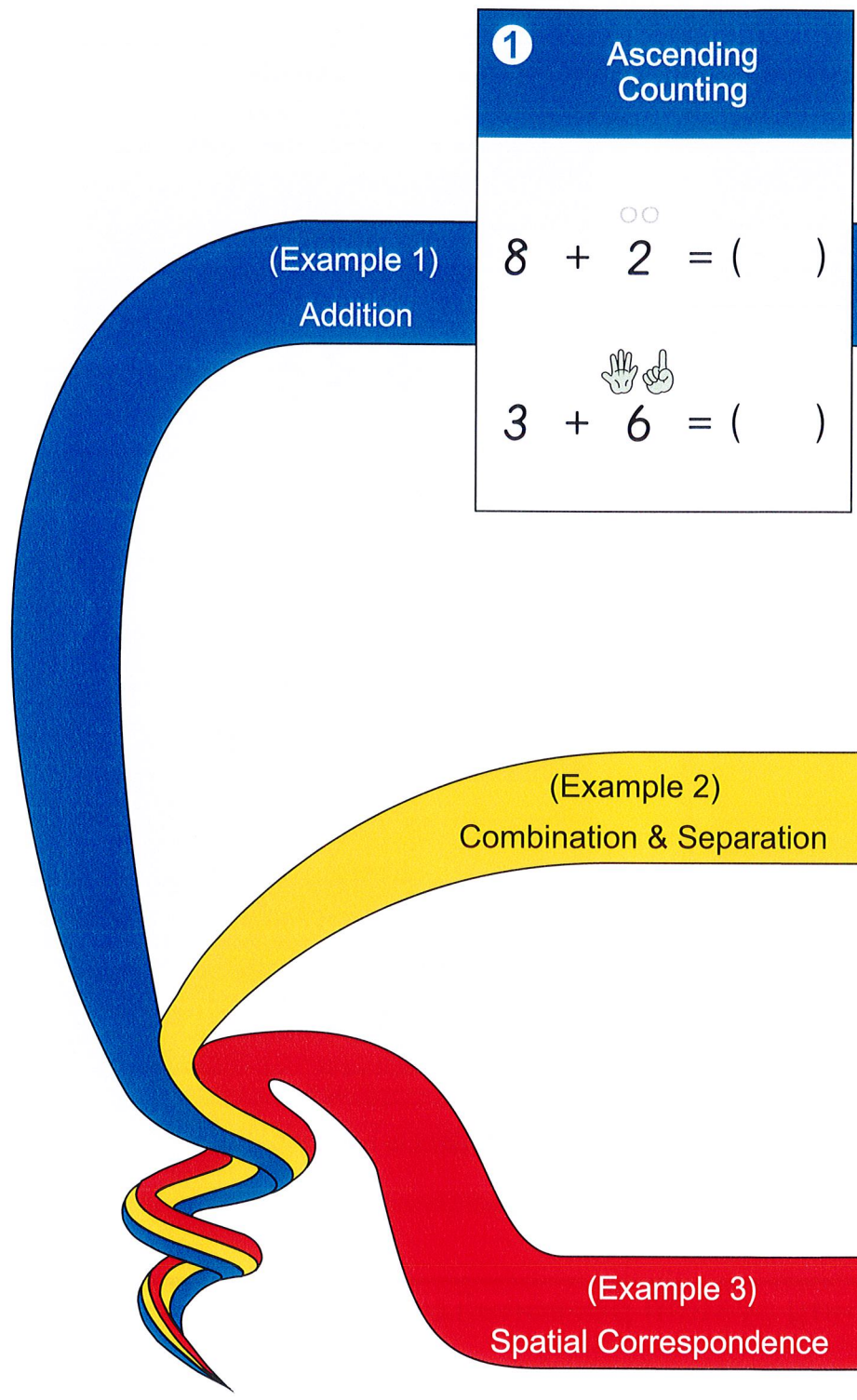
Every student is absorbed in learning.



Every student is beaming with joy.

MPM[®] is a self-learning system personalized for each student.

Through the PSL (Personalized System of Learning) approach, **MPM[®]** students optimize their learning independently, with deliberate minimal guidance by the Instructor.



(Example 1)
Addition

1 Ascending Counting

$8 + 2 = (\quad)$

$3 + 6 = (\quad)$

2 Object & Language

7 more than 5 is ().

$\Rightarrow 7 + 5 = (\quad)$

(Example 2)
Combination & Separation

1 Object Combination and Counting

(Example 3)
Spatial Correspondence

1 Locations, Colors, and Counting

3 Ascending Counting by 10's and 1's

$35 + 24 = (\quad)$

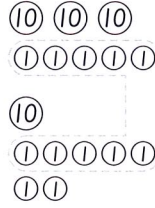


$8 + 4 + 2 + 7 + 6 = (\quad)$

$7 + 5 + 9 + 3 + 5 = (\quad)$

4 Introducing Column Addition

$$\begin{array}{r} 35 \\ + 17 \\ \hline 52 \end{array}$$



5 Column Addition Practice

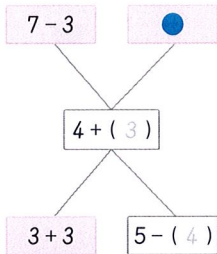
$24 + 16 + 3 = (\quad)$



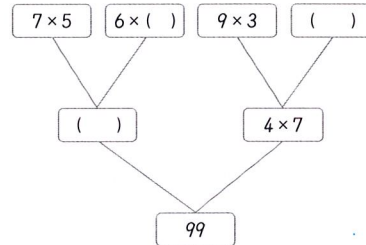
$$\begin{array}{r} 347 \\ + 95 \\ \hline \end{array} \quad \begin{array}{r} 578 \\ + 39 \\ \hline \end{array}$$

2 Combination & Separation Counting

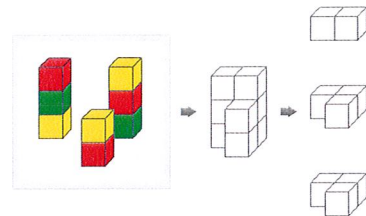
$+2=5 \quad +9=10 \quad 11-7=4 \quad 8-6=2$
 $= (\quad) \quad = (\quad) \quad = (\quad) \quad = (\quad)$



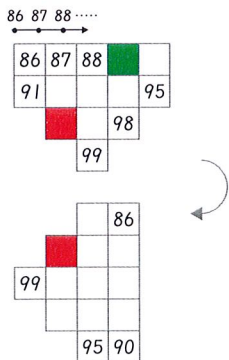
3 Multiplication and Combination



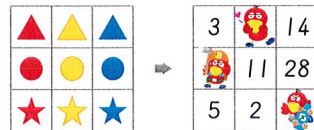
4 Combination & Separation Practice



2 Rotation Correspondence



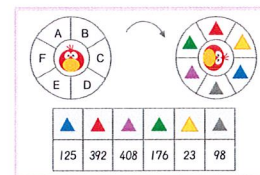
3 Locations, Additions, and Subtractions



$\triangle - \triangle = 6$
 $\triangle = (\quad)$

$\star + \bullet = 11$
 $\bullet = (\quad)$
 $\star - \bullet = 4$
 $\star = (\quad)$

4 Rotations, Multiplications, Additions and Subtractions

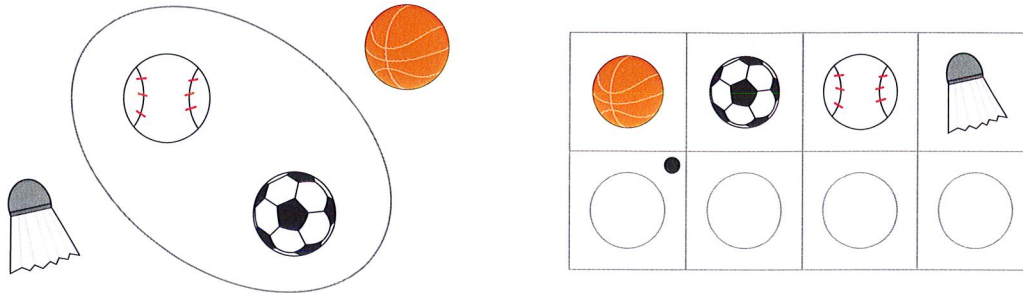


$A + 5 = (\quad)$
 $\triangle + (\quad) = C$

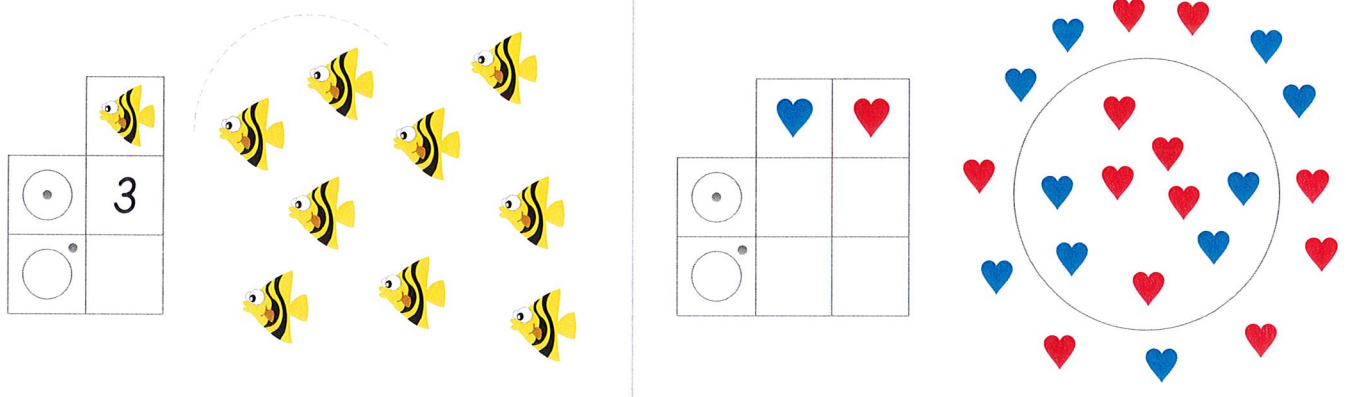
$\triangle - (\quad) = A$
 $(\quad) + \triangle = F$

▶▶ Examples of MPM[®]'s Spiral Materials

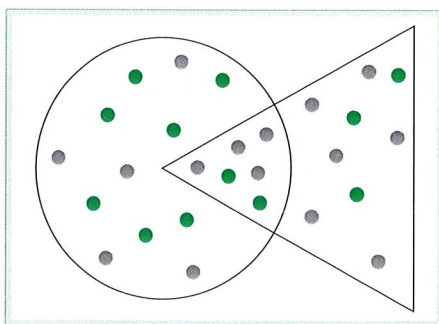
■ Level 1: Outside/Inside + Counting



■ Level 2: Outside/Inside + Sorting/Counting + Inverse Reasoning



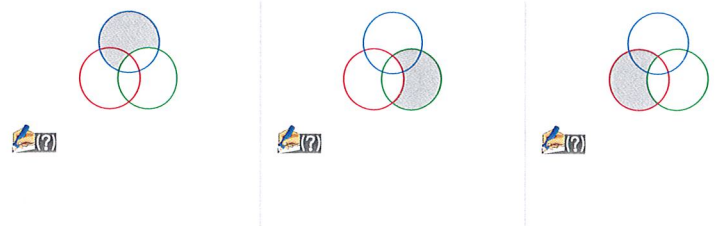
■ Level 3: Outside/Inside + Spatial Correspondence + Sorting / Counting + Sets



$$12 + \text{circle with grey triangle} = (\quad) \quad \text{circle with green triangle} + 15 = (\quad)$$

$$\text{circle with green triangle} + 16 = (\quad) \quad 8 + \text{circle with grey triangle} = (\quad)$$

	X	$80 \div 13$	$98 \div 17$
	$94 \div 23$	X	$63 \div 12$
	$87 \div 22$	$73 \div 16$	X

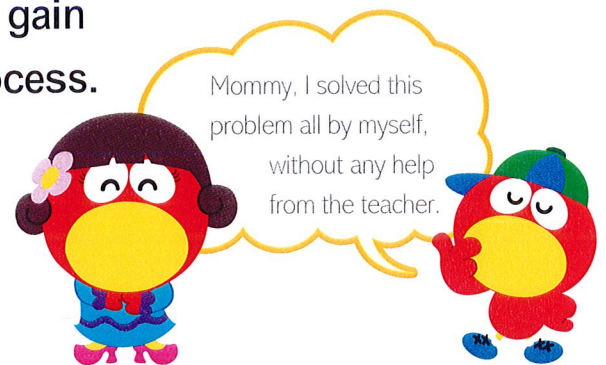


• New Math - MPM[®]

It is more meaningful to acquire knowledge and upgrade abilities by way of self-construction instead of teacher-instruction.

Active learning is the trend for modern education.

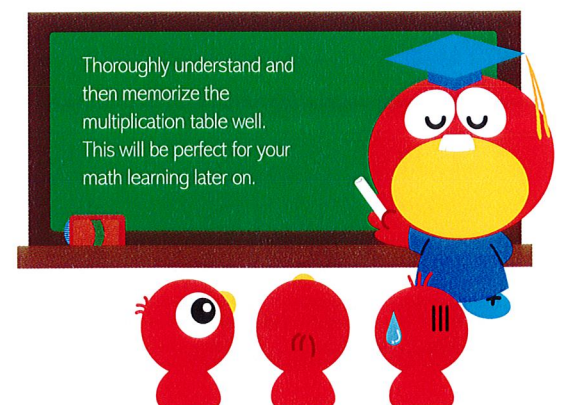
Kids can build up self-confidence and gain knowledge at the same time in the process.



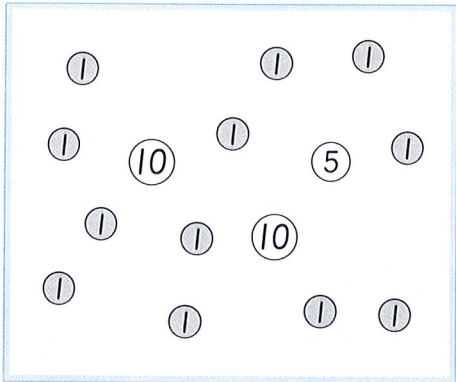
• New Math - MPM[®]

The accumulation of knowledge and abilities should be achieved by way of thorough understanding instead of by the rote of memorization.

Math formulas are easy to forget even if we try to learn them by heart. Therefore, New Math aims to replace brute force memorization with real comprehension, so that knowledge can be recollected whenever necessary.

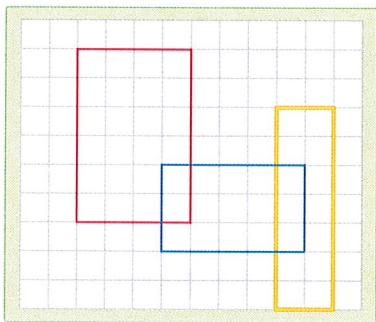
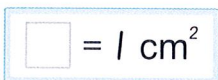


■ Level 4: Outside/Inside + Sorting/Counting + Sets + Coins + Unit Conversions



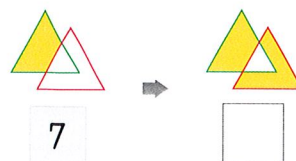
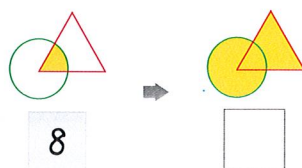
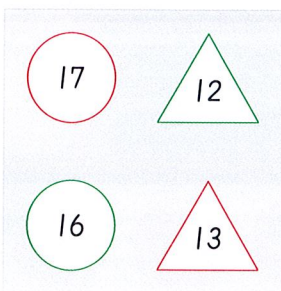
●			●		
10	5	1	10	5	1
1	1	4			
piece(s)	piece(s)	piece(s)	piece(s)	piece(s)	piece(s)
dollar(s)	dollar(s)	dollar(s)	dollar(s)	dollar(s)	dollar(s)
Total			Total		

■ Level 5: Outside/Inside + 2D Correspondence + Sets + Areas



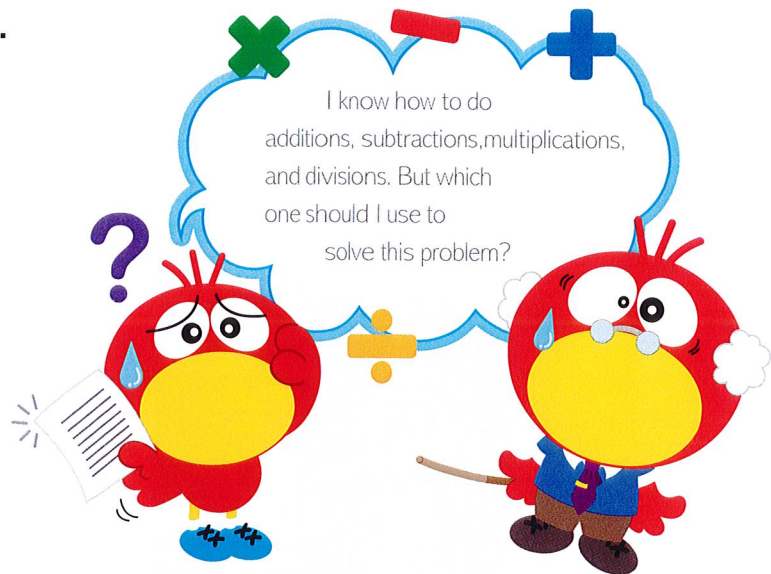
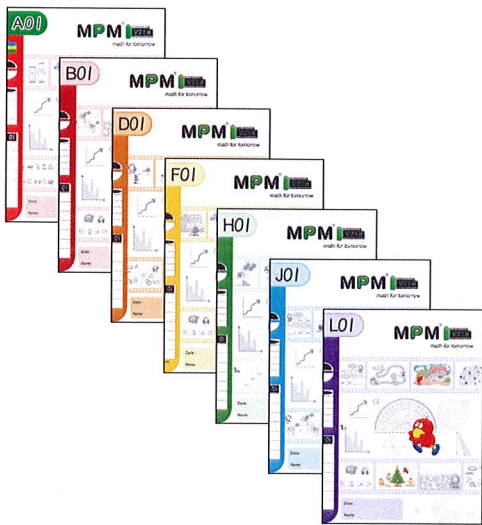
is () cm² is () cm²
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 is () cm² is () cm²

■ Level 6: Outside/Inside + 2D Correspondence + Sets



• New Math -MPM®

The key point in the learning of math is not so much the training of the ability to calculate numbers as the development of the power to think and to solve problems.



• New Math -MPM®

The construction of knowledge and the enhancement of abilities cannot be accomplished through pencil-and-paper drills only. Instead, students should use manipulatives to get in-depth understanding through hands-on experiences.

About learning, Montessori once said,

"I hear and I forget !

I see and I remember !

I do and I understand ! "

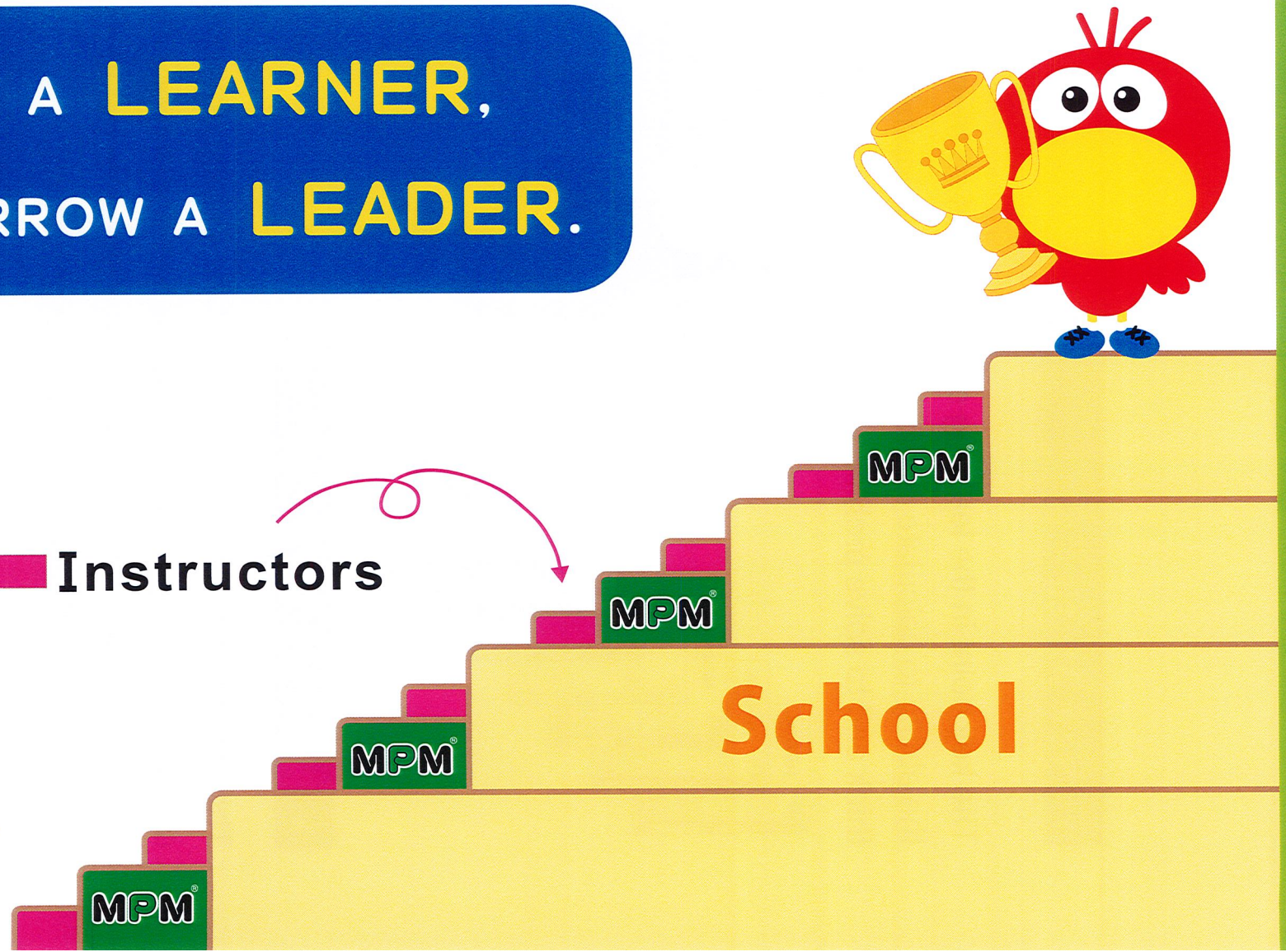



How MPM® works ?

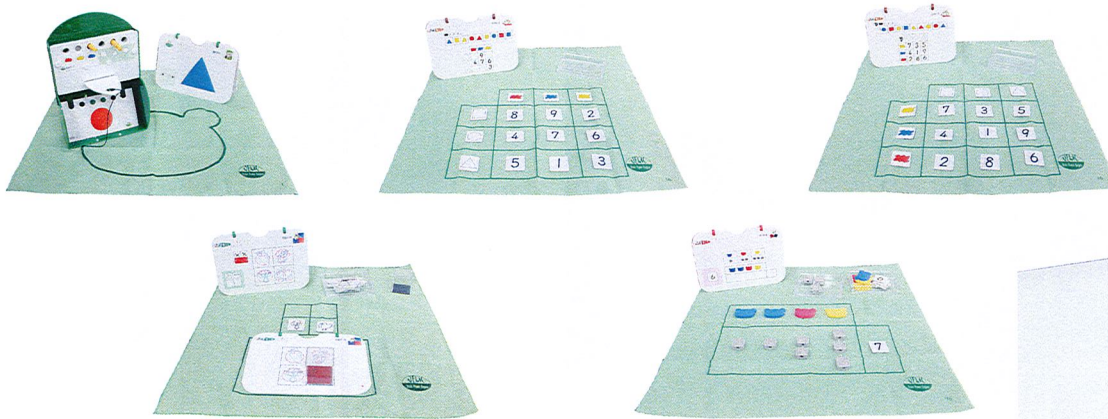
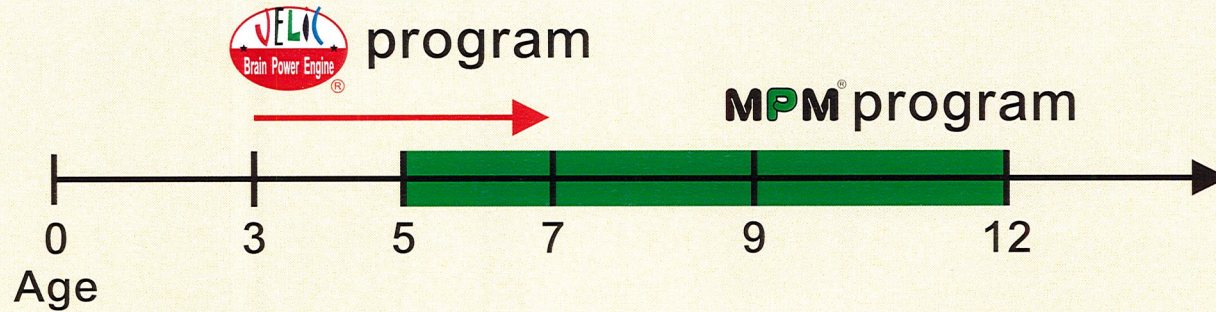
TODAY A **LEARNER**,
TOMORROW A **LEADER**.



■ Instructors



	K1	K2	year 1	year 2	year 3	year 4	year 5	year 6
MPM		A	B C	D E	F G	H I	J K	L M
	✓	✓	✓					



Evaluate Starting Level

New students write an assessment at their preferred classroom to determine their starting level.



Attend Weekly Classes

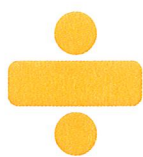
Students attend class twice per week, based on schedule arranged by both instructor and parent.

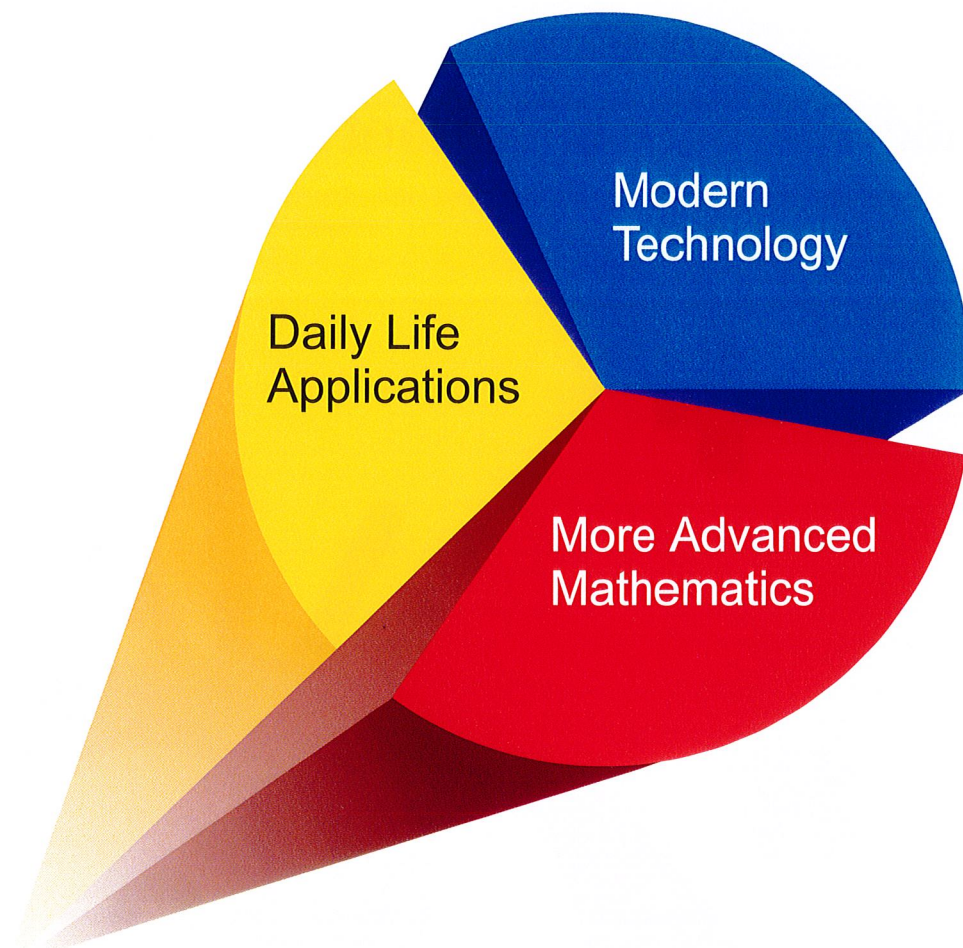


Welcome to MPM[®] !

Imagination is more important than knowledge

——— Einstein





Since education paves the road to the future, **MPM**'s materials are highly future-oriented:

1. Daily Life Applications
2. Modern Technology
3. More Advanced Mathematics

Childhood is golden yet fleeting, and education in the early stage sets the tone for the whole life. Therefore, let us work together, heart to heart and hand in hand, for a better tomorrow ---- through a happy and fruitful learning experience for our children with **MPM**'s New Math!!

