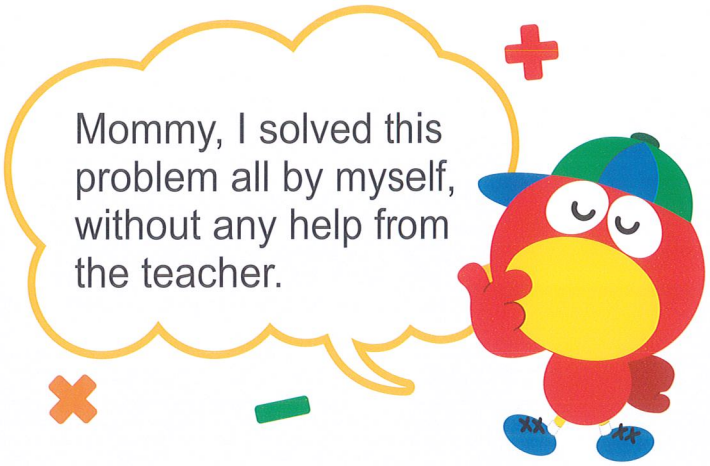
MPM math

How to develop children's self-confidence and independence?



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.

Every student is absorbed in learning ;

Every student is the key person ;

a touch of the future

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MPM math

What is MPM®?

MPM® ➡ Multi-Process-Model

Multi-Process ➡ Depth of Thinking

Danny has 3 dollars and Mark has 5 dollars. If Danny gives 1 dollar to Mark, then what is the difference between the money they have now ?

process 1 $3-1=2$

process 2 $5+1=6$

process 3 $6-2=4$

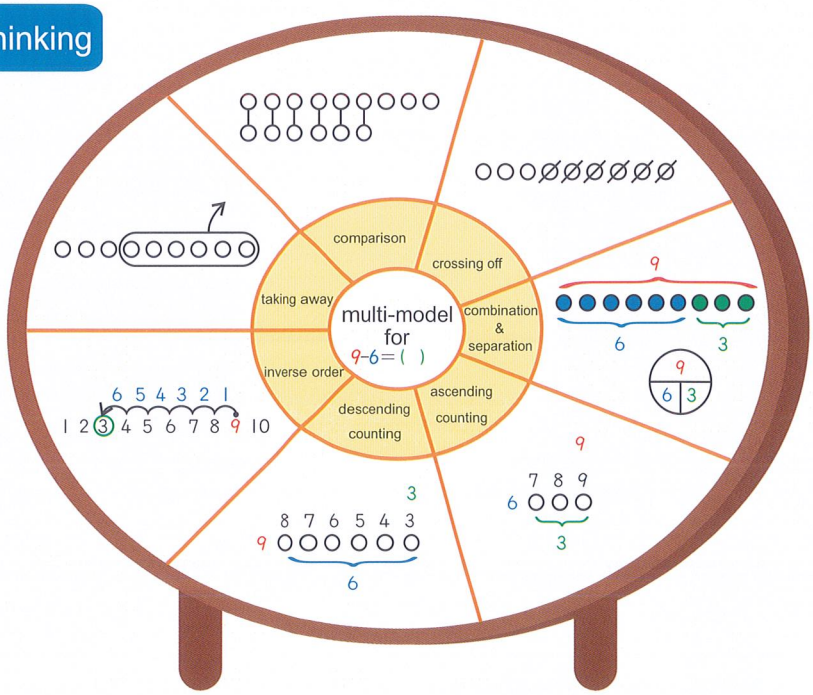
multi-process thinking mechanism

$5 \xrightarrow{+1} \boxed{6} \quad 3 \xrightarrow{-1} \boxed{2}$

$\boxed{6} - \boxed{2} = (\quad)$

Multi-Model ➡ Width of Thinking

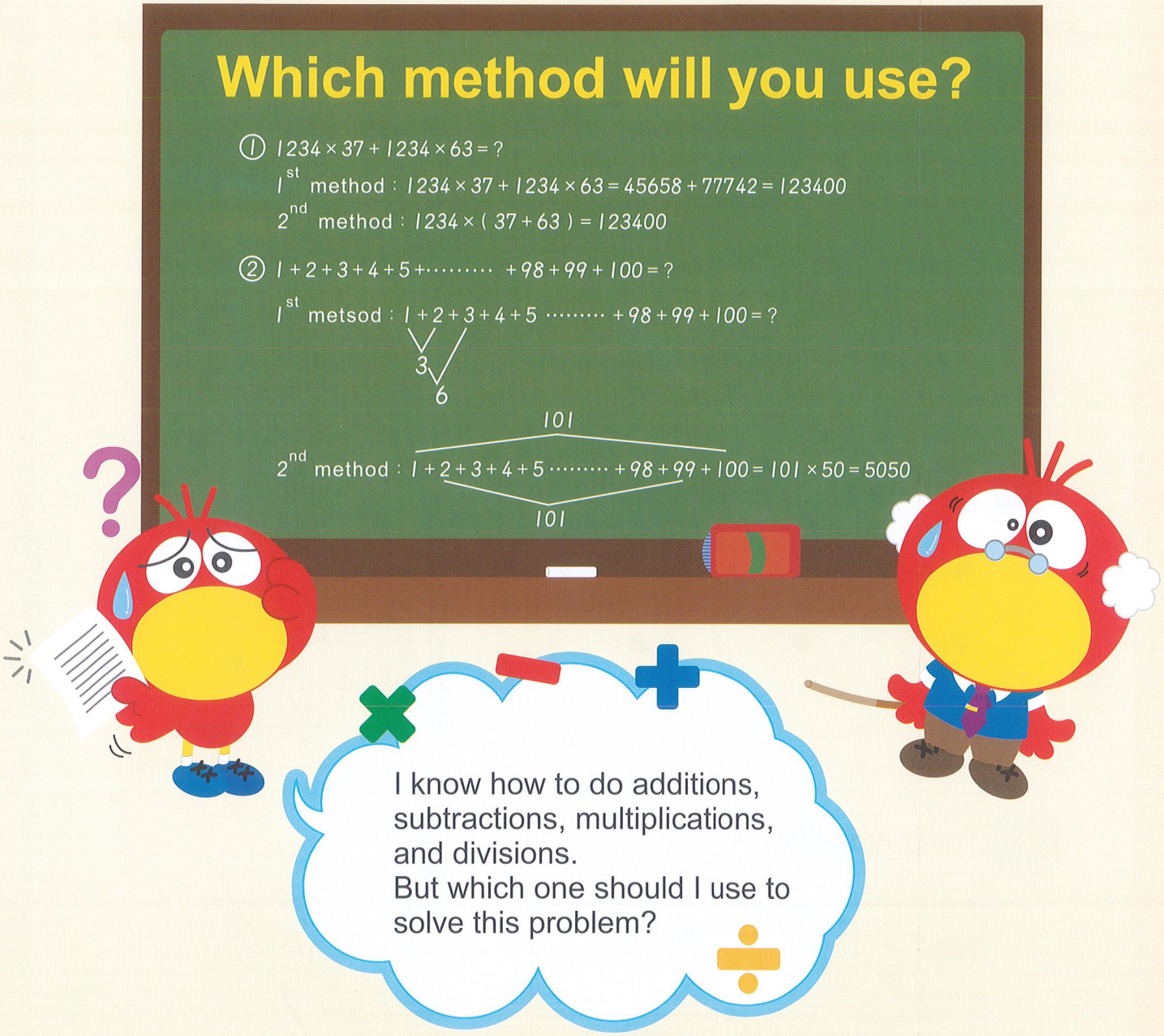
How many different models of thinking are there for :



a touch of the future

MPM math

How to develop children's ability to think?
(Is calculation skill equal to math capability?)

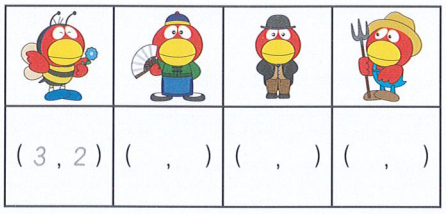


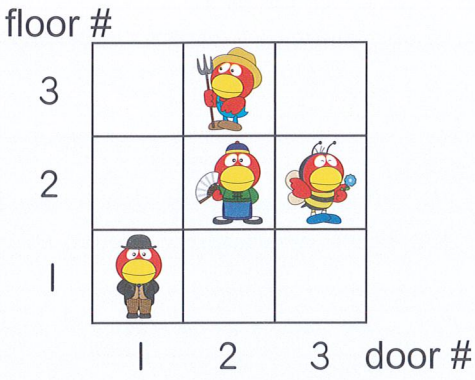
The key point in the learning of math is not so much the training of the ability to calculate numbers as the development of the power to think and to solve problems.

MPM® math is highly future-oriented.

From (door #, floor #) to Analytic Geometry :

Q1 (door #, floor #)

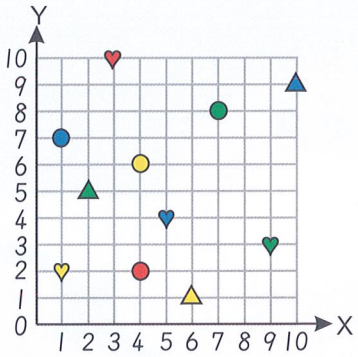




Q2 formal Cartesian coordinates (X , Y)

▲(2 , 5)　♥(5 , 4)　●(4 , 6)

♥(,)　●(,)　▲(,)



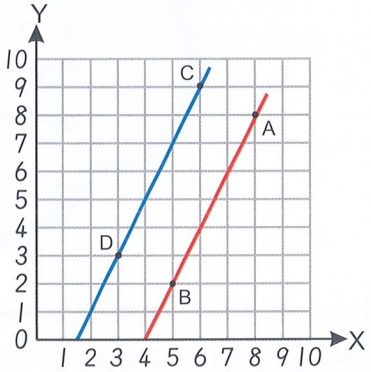
Q3 linear equation

	X	4	5	6	7
	Y	0			
	2X	8			

line $\overleftrightarrow{AB}$
2 X – Y = (　)

	X	2	3	4	5
	Y	1			
	2X				

line $\overleftrightarrow{CD}$
2 X – Y = (　)



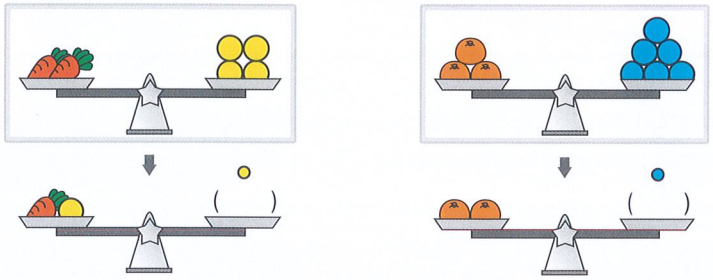
and are mutually (perpendicular / parallel)

MPM math

Try it!!

Top math in Singapore

Q1 Pre-school



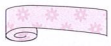
Q2 Lower Primary

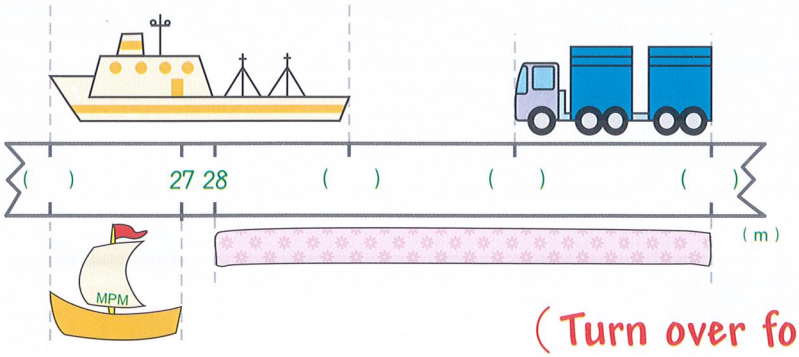
4 years later, the total age of Father and Mother will be 80. Mother is 2 years younger than Father. How old were Father and Mother 2 years ago?

Answer Father was _____ years old and Mother was _____ years old 2 years ago.

Q3 Lower Primary

 is 9 m long.  is 6 m long.  is 4 m long.

 is 15 m long. Fill in the blanks with the correct numbers.



(Turn over for answers)

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MPM® math

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MPM's unique training approach:

Singapore Math

+

Advanced Geometry

+

Advanced Critical Thinking

Ideal for K2 to P6

MPM math is the math enrichment program of choice in Singapore to extend students' learning of Singapore math in schools, with additional training in advanced geometry in preparation for secondary schools. The unique presentation of questions and creative multi-model solutions effectively elevate students' level of critical thinking.It

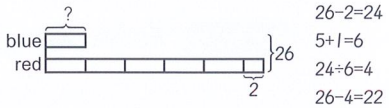
Sample questions for lower primary :

Singapore Math

There are 26 red flags and blue flags altogether. If we take away 2 red flags, the blue flags will be $\frac{1}{5}$ as many as the red flags.

There are ____ red flags. There are ____ blue flags.

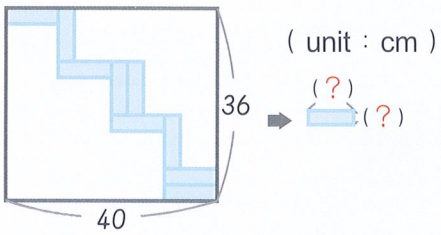
Answer



26−2=24
5+1=6
24÷6=4
26−4=22

There are 22 red flags. There are 4 blue flags.

Advanced Geometry



(unit : cm)

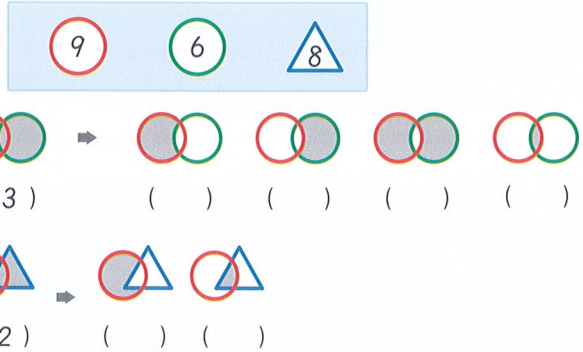
Answer

(10)

(3)

40÷4=10
3×10=30
36−30=6
6÷2=3

Advanced Critical Thinking



Answer

(7) (4) (11) (2)

(4) (5)

Answers for previous page

Q1 (3) (4)

Q2 (35) (33)

Q3 (23) (32) (37) (43)