



Sharing on Mathematics

Primary 2

Yuhua Primary School

Growing our Hearts and Minds



Overview

1. MA Department Mission and Focus
2. Holistic Assessments
3. Learning in the maths classroom
4. Resources available for maths
5. Word Problem Solving
6. Home support for your child

Maths Department Mission

To develop
resilient
and
collaborative
problem solvers



Maths Department Focus

P1 & P2

Foster Interest

Engaged Problem Solver

P3 & P4

Build Confidence

Competent Problem Solver

P5 & P6

Instil Passion

Effective Problem Solver

Holistic Assessment Overview

Students to do quizzes and performance-based tasks on the following units

- Numbers to 1000
- Addition and Subtraction within 1000
- Length
- Multiplication & Division
- Multiplication Tables of 2, 5 and 10
- Mass
- Time


Knowledge and application of skills in:

- Numbers to 1000
- Addition and Subtraction within 1000
- Length
- Multiplication & Division
- Multiplication Tables of 2, 5 and 10
- Mass
- Time

Holistic Assessments

1) Mini Quizzes

I can...



	Emerging	Approaching Expectations	Meeting Expectations	Exceeding Expectations
Measure length in metres				
Compare and order lengths				
Solve one-step word problems on length				
Use the division symbol				
Tell the relationship between multiplication and division				

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Yuhua Primary School

Primary 2
Mini Quiz 3
Topics: Length, Multiplication & Division

Name: _____ Date: _____

Class: _____

I can...



	Emerging	Approaching Expectations	Meeting Expectations	Exceeding Expectations
Measure length in metres				
Compare and order lengths				
Solve one-step word problems on length				
Use the division symbol				
Tell the relationship between multiplication and division				

Parent's Signature: _____

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Holistic Assessments

2) Performance-based activities Topics on mass, length and volume



Holistic Assessments

Activity 2: Mass of my school bag

From the first page, my mass is kg.

My school bag should be below kg.



Note to parents: The recommended mass of a school bag should not be more than 10% of your child's mass.

Let's find out!

The mass of my school bag today is kg.

My school bag is heavier than / lighter than the recommended mass.

My reflection (What should I do or continue to do?)

I will _____

Holistic Assessments

2) Other formative assessments

Eg: Journals and Exit Passes

Name: _____ Date: _____
Class: _____



Math Journal: Time

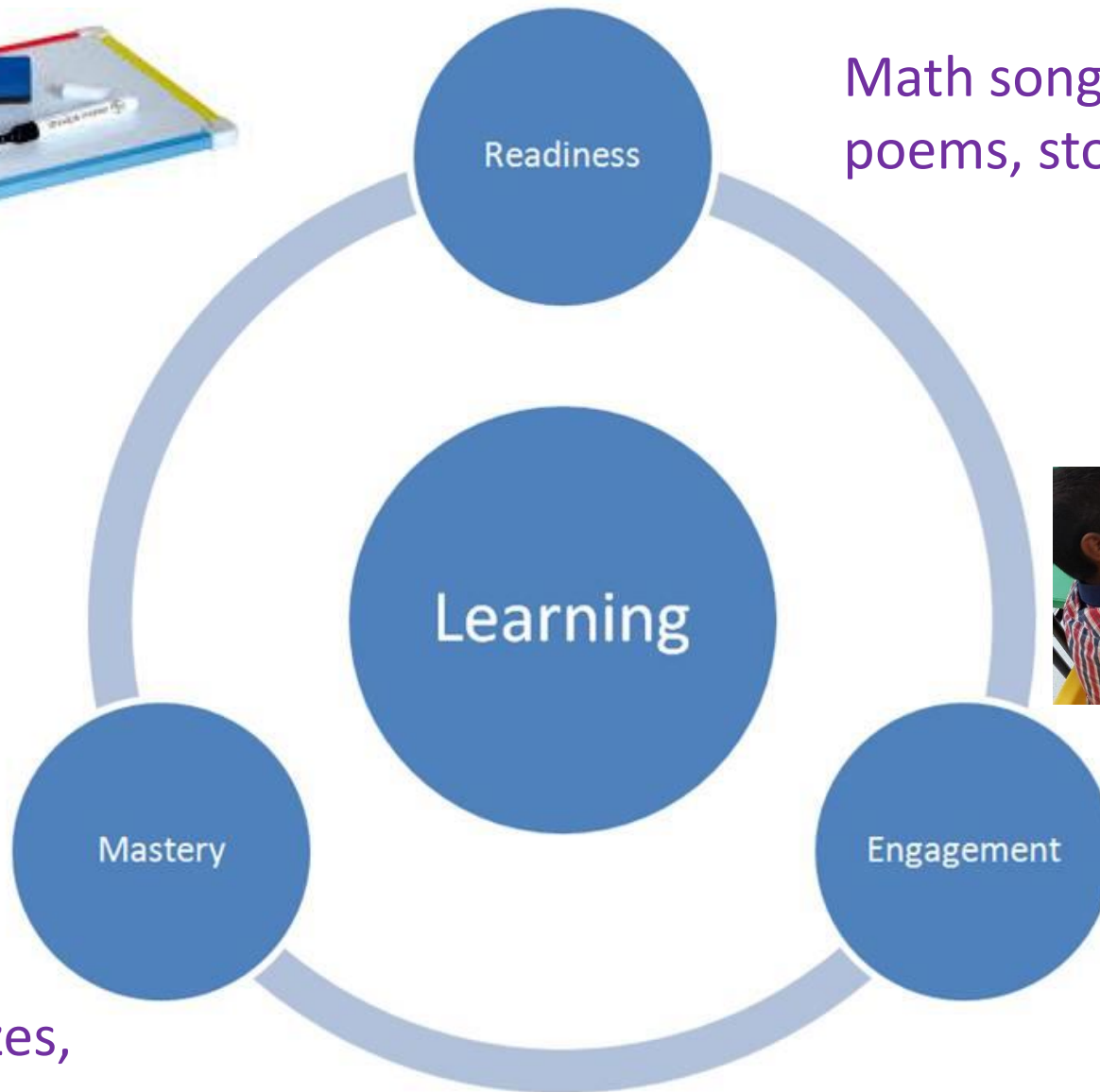
Look at the picture on the right.
Who took a longer time to complete his/ her homework?

Ans: _____



What makes you say that?

Learning in the Maths Classrooms



Math songs,
poems, stories



Class quizzes,
PB exercises



We Can! Practice

- **W**eekly **c**ard for **n**umeracy
- 5 short questions daily
- Pupils answer using their mini-whiteboards
- Teacher goes through the answers immediately



Example Questions



The background is a dark blue and purple space scene. In the top left, there is a large planet with horizontal stripes. Below it is a smaller planet with a ring. In the top right, an astronaut in a white suit is floating, holding a long, thin white rope that loops through the space. The bottom right corner features a large, cratered moon. The entire scene is filled with numerous small white stars and larger, four-pointed starburst patterns.

Question 1:

Spell 812 in words.



The background is a dark blue and purple space scene. In the top left, there is a large planet with horizontal stripes. Below it is a smaller planet with a ring. In the top right, an astronaut in a white suit is floating, holding a long, thin rope that loops around. The bottom right corner features a grey, cratered moon. The entire scene is filled with small white stars and larger, four-pointed starburst patterns.

Answer 1:

Write 812 in words.

eight hundred and twelve



The background is a dark blue and purple space scene. In the top left, there is a large planet with horizontal stripes. Below it is a smaller planet with a ring. In the top right, an astronaut in a white suit is floating, holding a long, thin white rope that loops around. The bottom right corner features a large, cratered moon. The entire scene is filled with numerous small white stars and larger, four-pointed starburst shapes.

Question 2:

What is 10 less than 200?



The background is a dark blue and purple space scene. In the top left, there is a large planet with horizontal stripes. Below it is a smaller planet with a ring. In the top right, an astronaut in a white suit is floating, holding a long, thin white rope that loops around. The bottom right corner features a large, cratered moon. The entire scene is filled with small white stars and larger, four-pointed starburst shapes.

Answer 2:

What is 10 less than 200?

190



Question 3:

$$817 = \underline{\quad\quad\quad} + 800 + 7$$





Answer 3:

$$817 = \underline{10} + 800 + 7$$

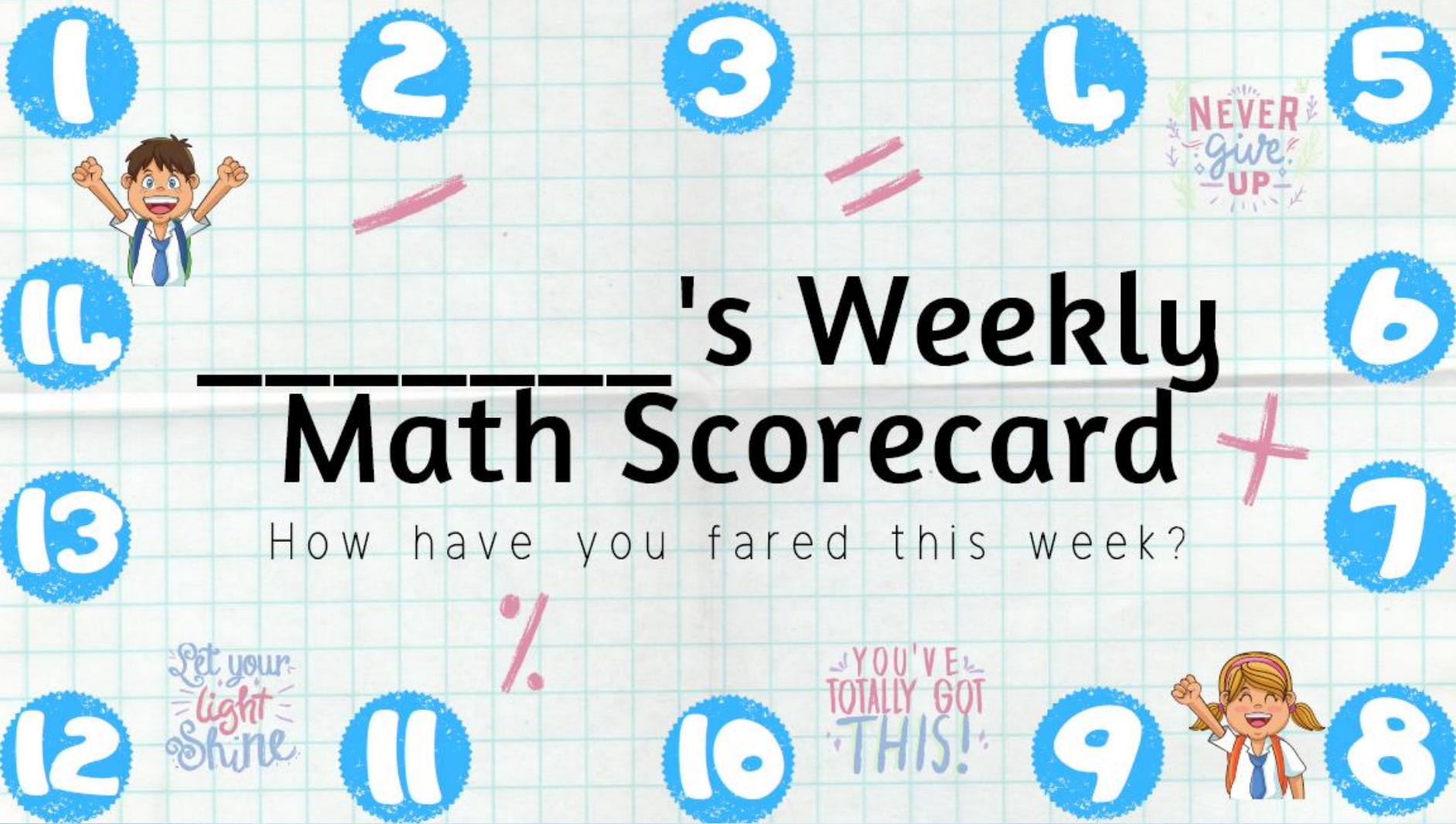


We Can! Quiz

- Each term will have 7 quizzes.
- 10 questions per quiz
- 8 to 10 questions correct to get a star signed
- 1 pupil to 1 card
- Each card consists of 14 stars to be achieved

_____'s Weekly Math Scorecard

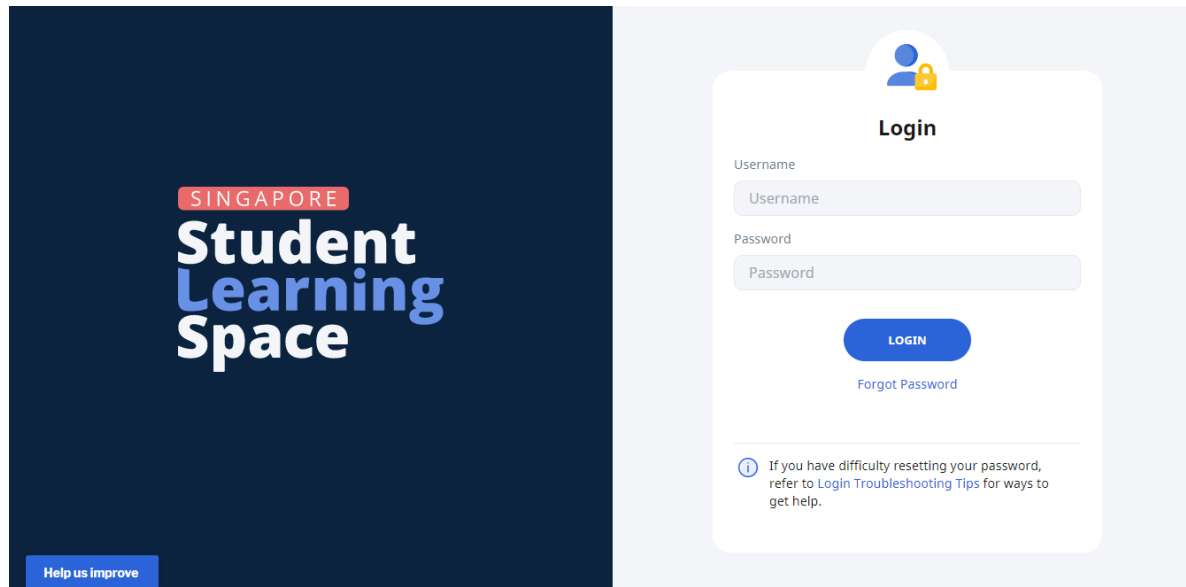
How have you fared this week?



How is Mathematics taught in a Maths class ?



Resources Available for Maths



QR codes are available in the chapter opener of each P2 topic in the Coursebook



Resources Available for Maths

1 Numbers to 1000

There are 3 packets of 100 balloons, 2 packets of 10 balloons and 4 balloons.

What can we count?

The napkins are in packs of 100 pieces.

STUDENT
LEARNING SPACE

Do you know numbers up to 1000?

Learn more at go.gov.sg/pm201



Resources Available for Maths

 Introduction

 1 Knowing Numbers up to 1000

 2 Reading and Writing Numbers

 3 Compare and Order Numbers within 1000

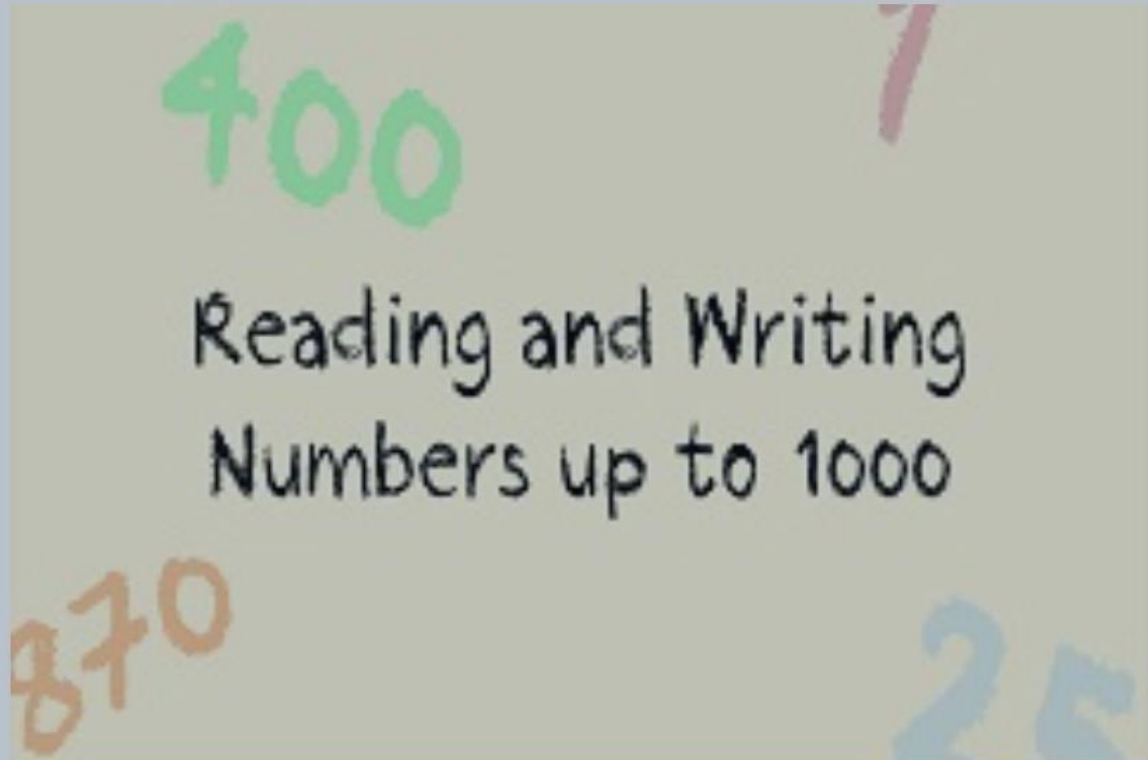
 4 Number Patterns within 1000

 5 Odd and Even Numbers

 Completion

Help us improve

Numbers up to 1000



Learn how to count in tens and hundreds and read and write numbers in numerals and words.



Word Problem Solving

- Central focus of the maths syllabus
- Encourage pupils to follow 4 steps to answer word problems
 - Understand
 - Plan
 - Do
 - Check

Solving word problems

MODEL DRAWING

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Growing our Hearts and Minds



Why use Model Drawing?

- Powerful approach
- Mathematical relationships are represented in a problem pictorially.
- Pictorial form helps pupils visualise abstract concepts.
- Helps pupils understand the problem and plan the steps for the solution.



CPA for Model Drawing

Sam has 25 sweets. He gives 5 sweets to Tom.
How many sweets does Sam have now?

Concrete Stage

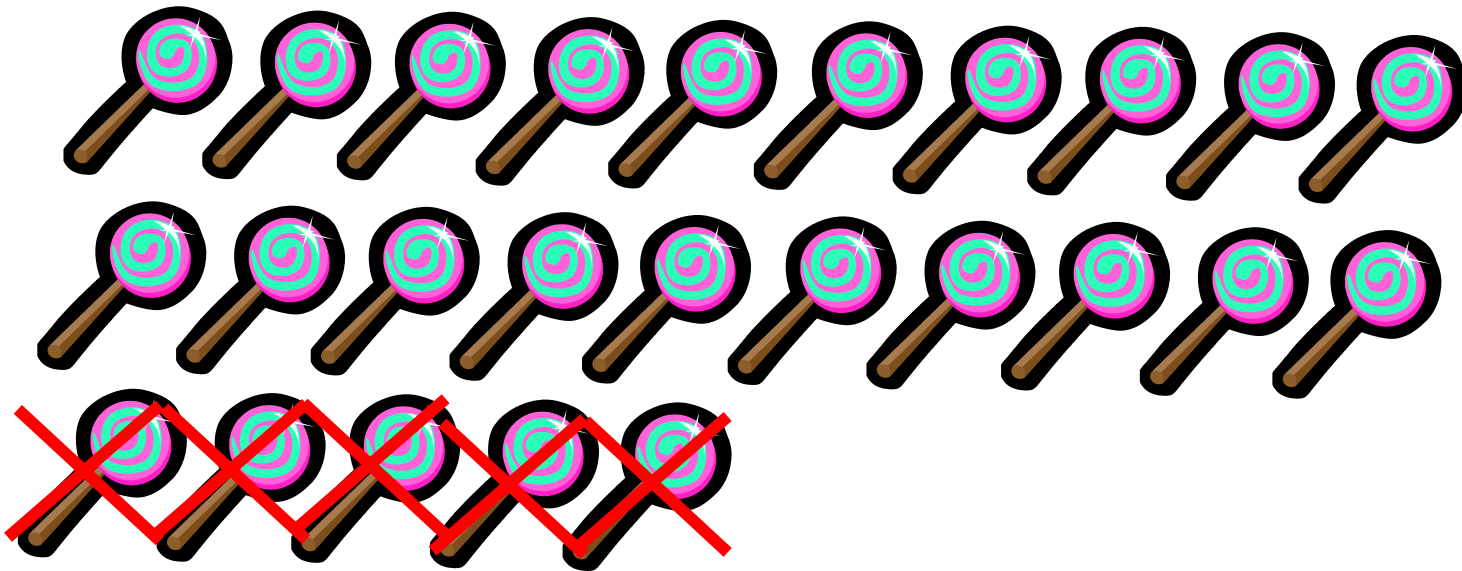
Provide real sweets
or counters.



CPA for Model Drawing

Sam has 25 sweets. He gives 5 sweets to Tom.
How many sweets does Sam have now?

Pictorial Stage



CPA for Model Drawing

Important points

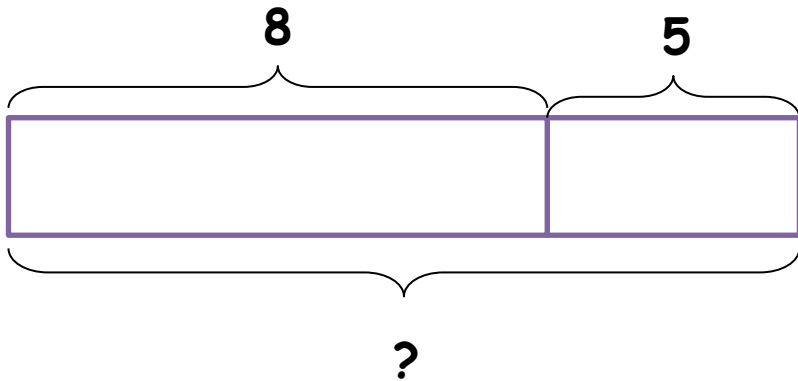
- Greater number → Length of model should be longer
- Smaller number → Length of model should be shorter
- For comparison models, models should be aligned



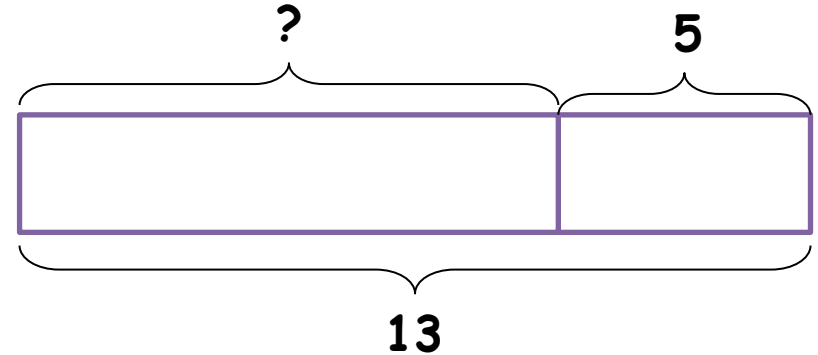
Types of Model

- Part-whole (Addition and subtraction)

Addition

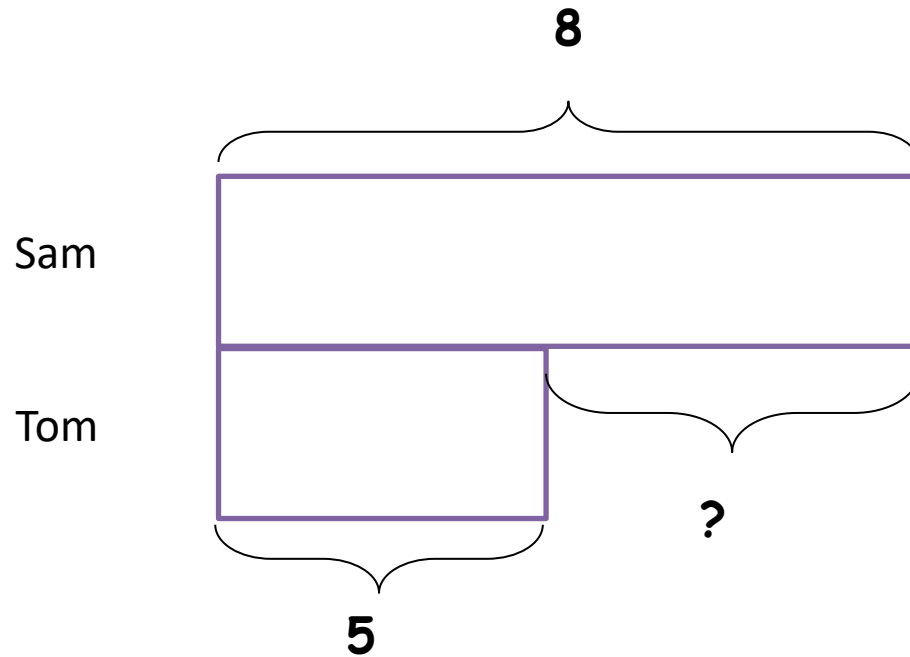


Subtraction



Types of Model

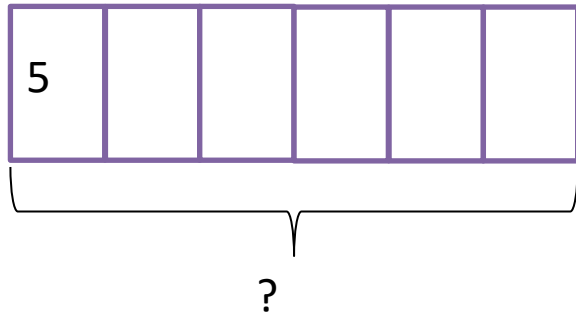
Comparison



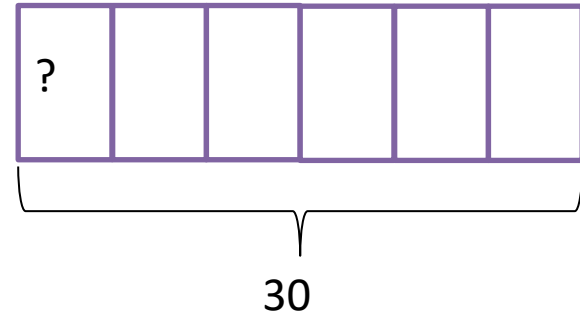
Types of Model

- Unitary (Multiplication and division)

Multiplication



Division



Supporting your child in the learning of Maths

Tap opportunities from the surrounding situations which make math learning authentic



Shopping at the supermarket



Cooking with children



Supporting your child in the learning of Maths...

Increase Math Talk with your child in daily life



Talk about time



Point out numbers in everyday life

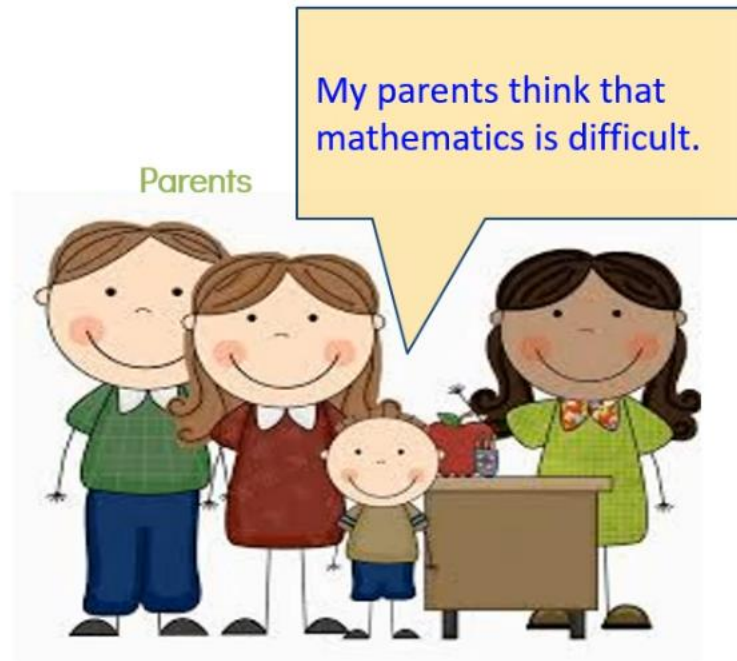


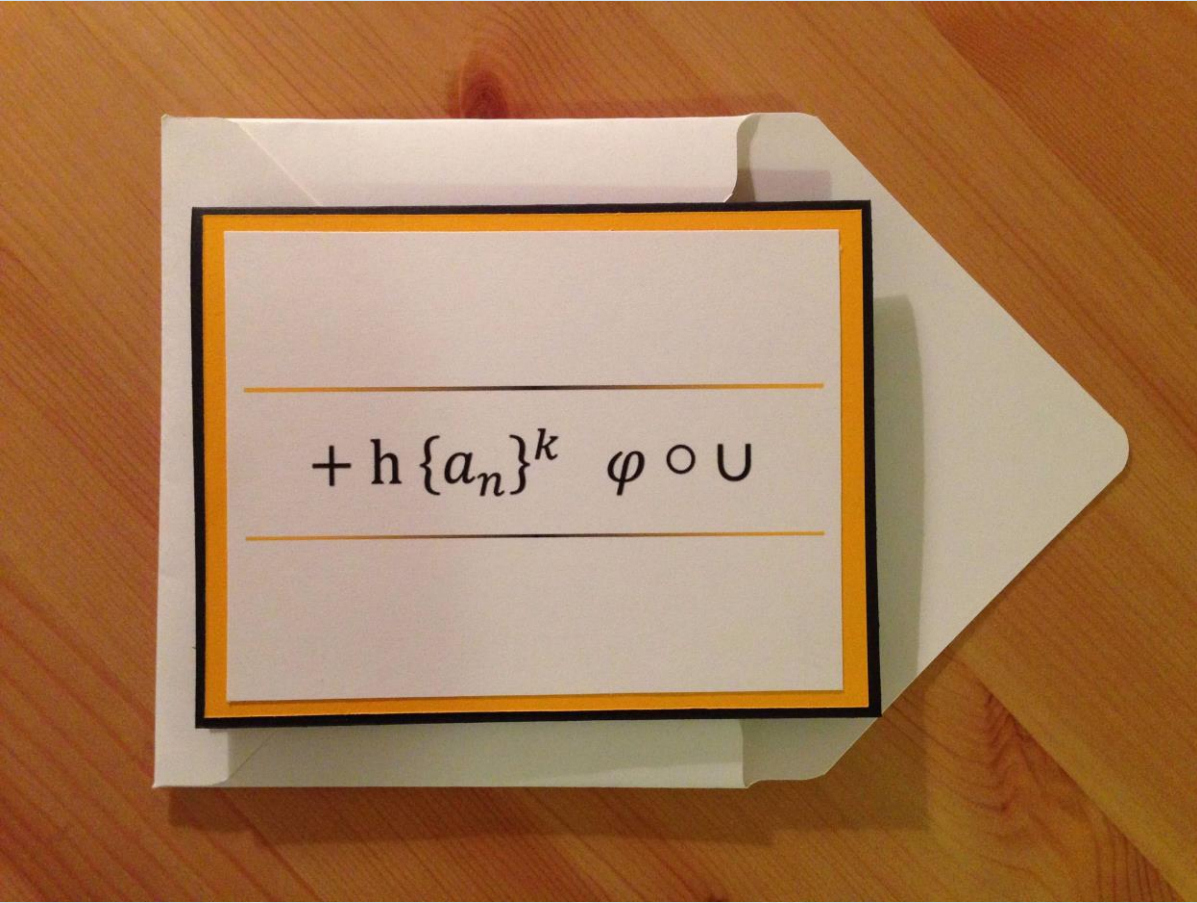
Read maths picture books



Supporting your child in the learning of Maths...

- Communicate positively about mathematics





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