

Nurturing a Holistic Thinker and Skilled Communicator in Mathematics

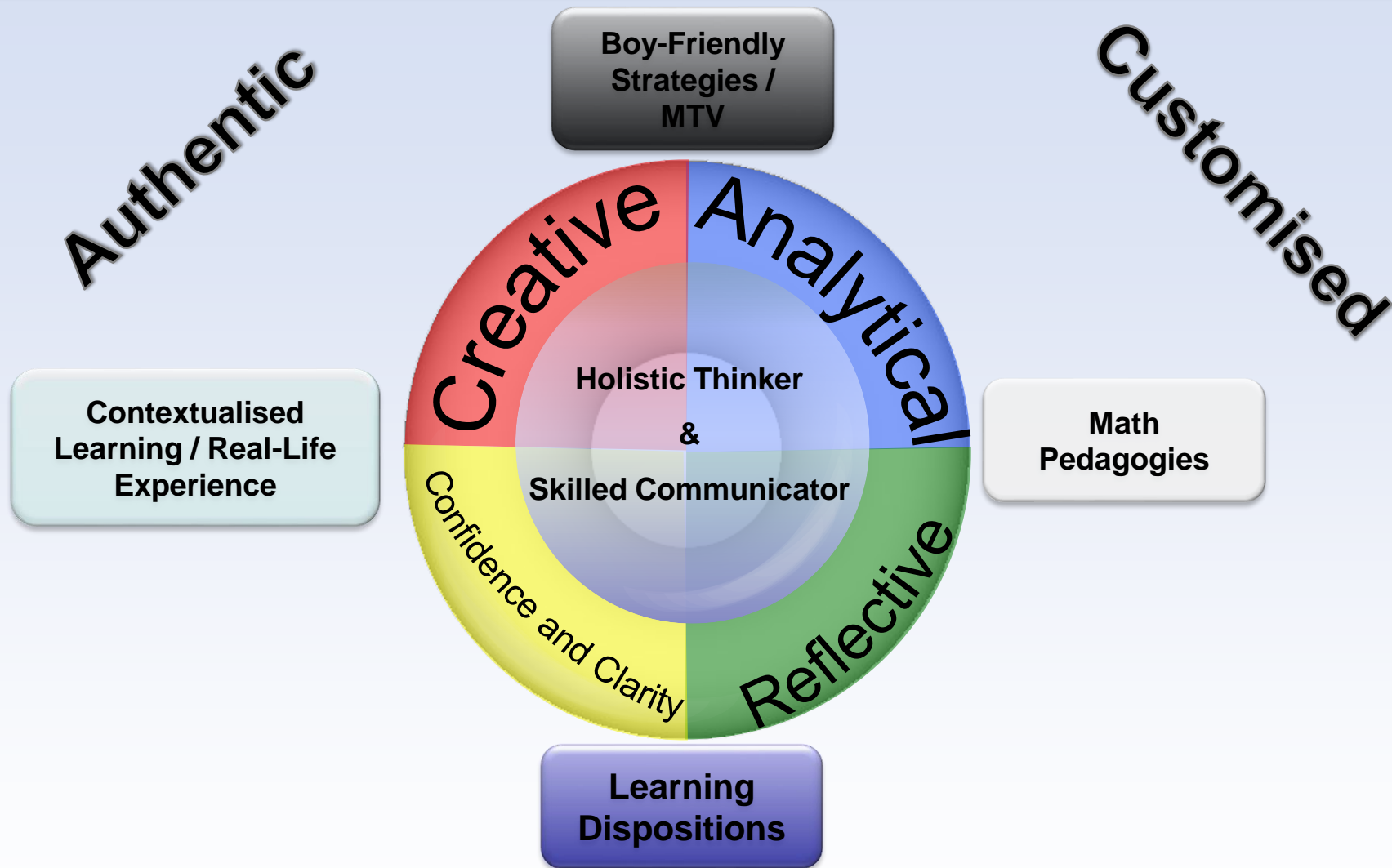
Primary 1



Every Saint an Analytical, Self-directed problem-solver by acquiring thinking, reasoning, communication, application and metacognitive skills.



Our Math Department Vision
Every Saint is an analytical, self-directed problem-solver



Embedded Values

SAJS

Signature Pedagogy



Teaching understanding of concepts through 3 representations

E

Enactive

- Provide learning experiences through the use of concrete materials, manipulatives or hands-on activities.

P

Pictorial

- Provide learning experiences with the use of visual medium: pictures, diagram, images, videos, etc to allow pupils to generate mathematical rules and regulations through questioning.

A

Abstract

- Provide learning experiences for identification and application of problem-solving skills and strategies, as well as the explanation of concepts, giving examples and non-examples and justification for specific rules and solutions.

Learning Dispositions

The disposition to :

- Persevere (Resilience)
- Be adventurous (Wonder)
- Make connections (Wonder)
- Be accurate (Excellence)
- Seek and evaluate reasons (Wonder)
- Have metacognition (Self-Discipline & Excellence)



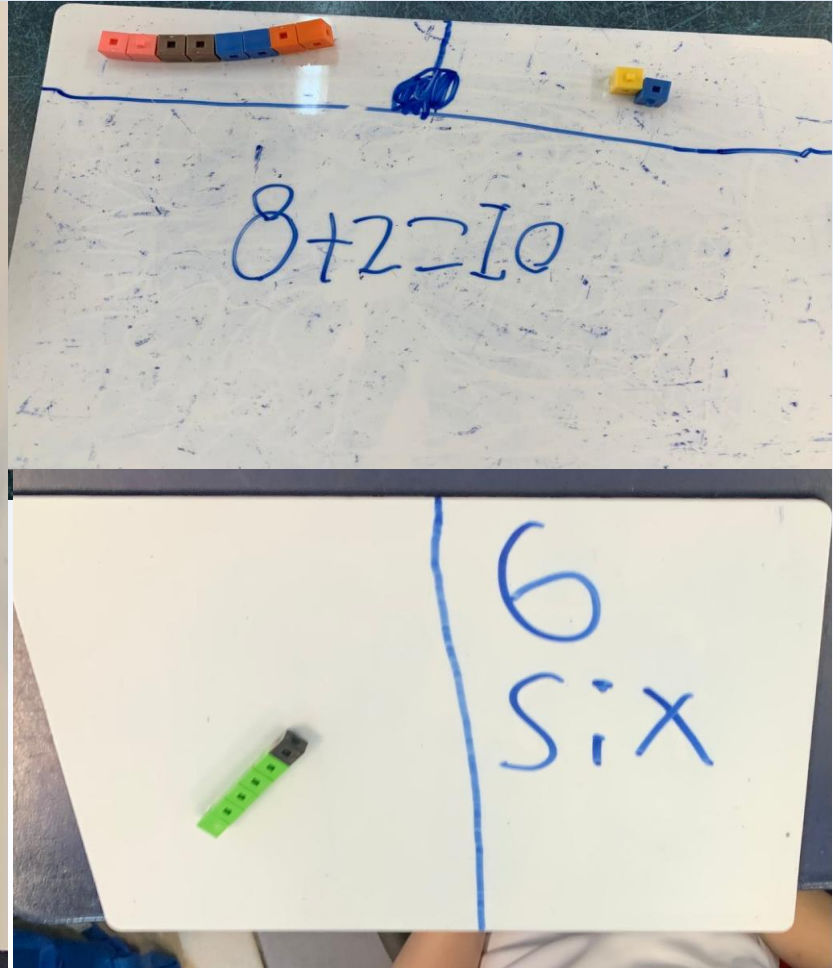
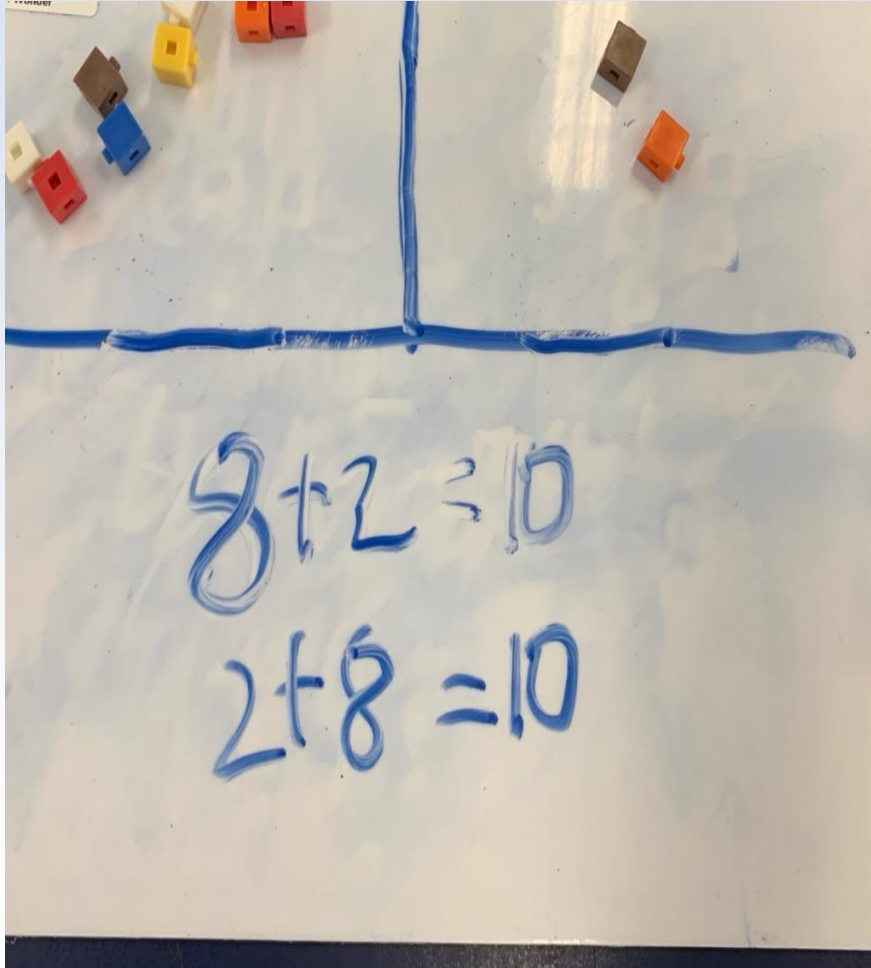
Key Areas of Focus

- **Learning Experience in the Classroom**
 - ❖ Activity-Based lesson (Manipulatives)
 - ❖ Use of Mini Whiteboards (Formative Assessment)
 - ❖ Math Vocabulary
 - ❖ Problem-Solving/Performance Tasks
 - ❖ Math Journal

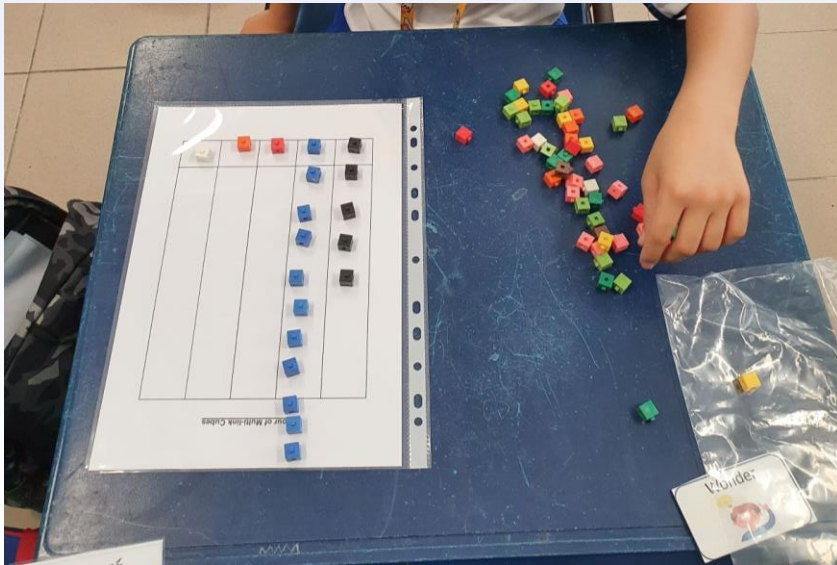


Activity-Based Lesson

Use of Mini Whiteboard

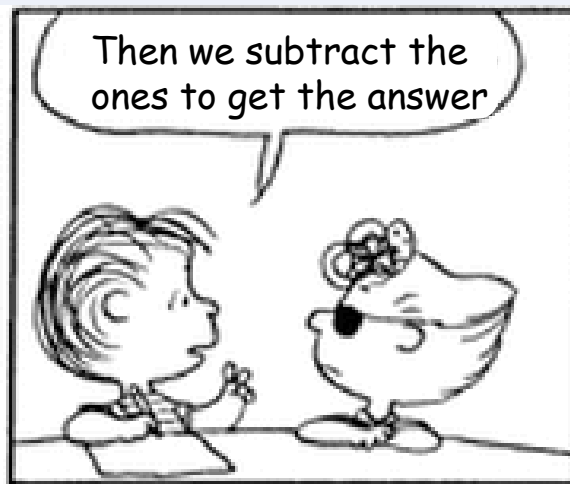
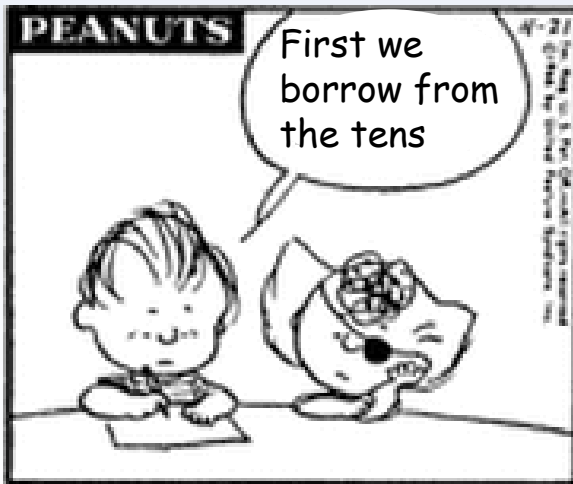


Activity-Based Lesson Use of Manipulative



Math Vocabulary

$$\begin{array}{r} 12 \\ - 3 \\ \hline \end{array}$$



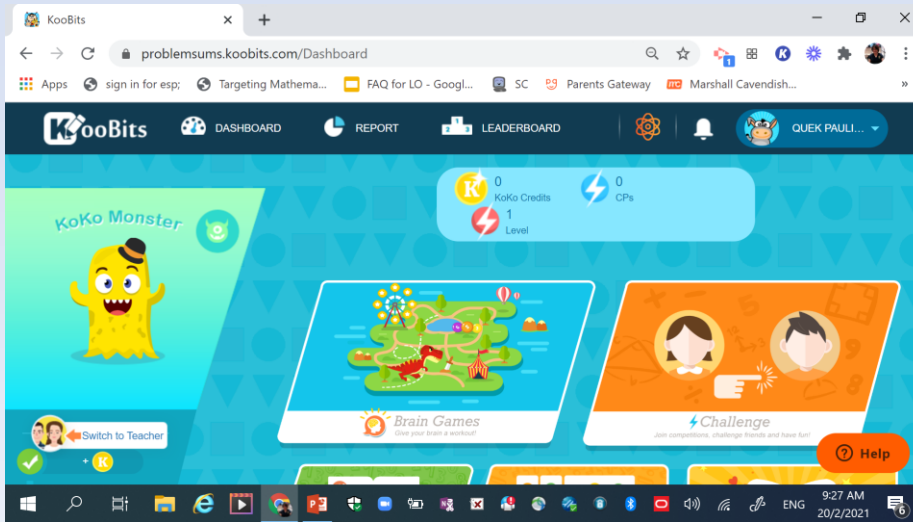
Online Teaching and Learning Resources

The screenshot shows a web browser window with the following elements:

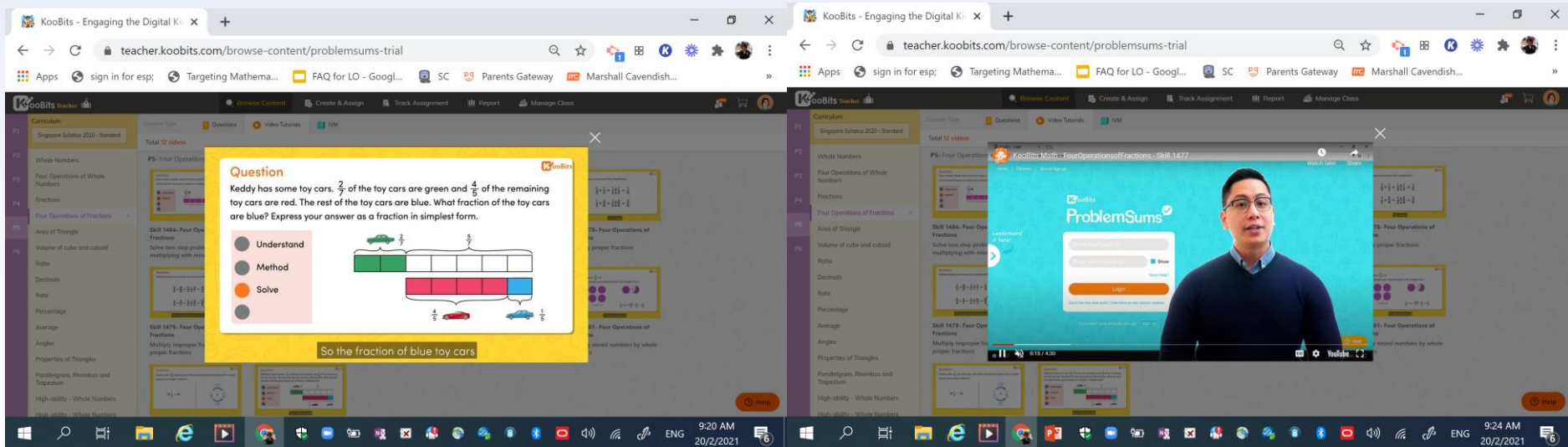
- Browser Tab:** Student Learning Space
- Address Bar:** vle.learning.moe.edu.sg/login
- Navigation:** Back, Forward, Refresh buttons.
- Taskbar:** Shows Windows Start button, search, task view, and several application icons including PowerPoint and Chrome.
- Page Content:**
 - Header:** SINGAPORE STUDENT LEARNING SPACE (with 'SINGAPORE' in red and 'STUDENT LEARNING SPACE' in blue and yellow).
 - Right Panel:**
 - SINGAPORE** (in a red box)
 - STUDENT LEARNING SPACE**
 - LEARN ANYTIME, ANYWHERE, AT ANY PACE**
 - Username:** Input field with placeholder text 'Username'.
 - Password:** Input field with placeholder text 'Password'.
 - FORGOT PASSWORD** (link)
 - LOGIN** (button)
 - Text:** If you have difficulty resetting your password, contact your [School-based Helpline](#) (Mon-Fri, 8am-4pm).
 - Footer:**
 - Help us improve** (button)
 - [Login Troubleshooting](#) [Terms of Use](#) [Privacy Statement](#) [Report Vulnerability](#)
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Supporting Online T&L Resources



<https://www.koobits.com/>

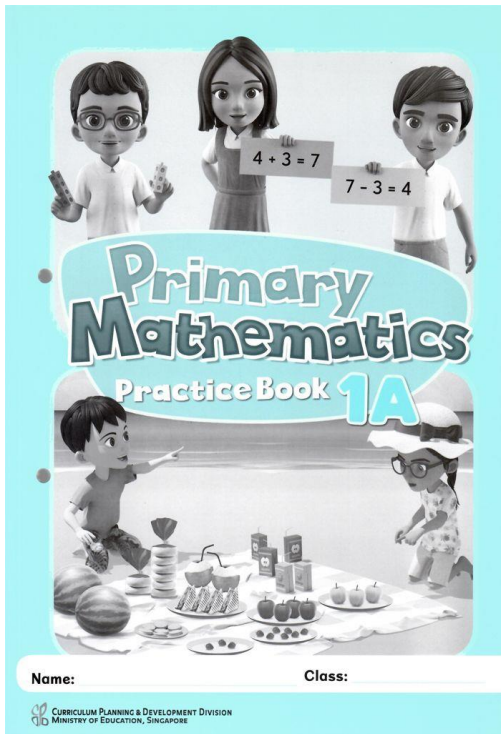


Learning Outcomes

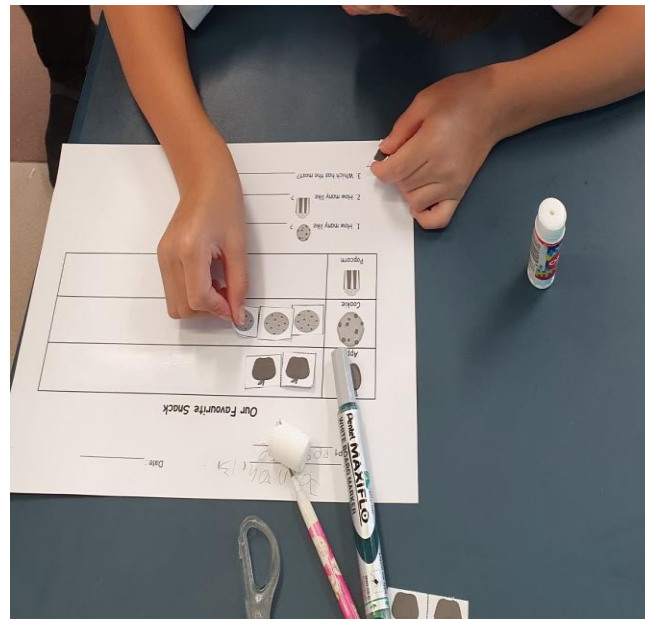
1. Understand numbers up to hundred
2. Understand addition and subtraction
3. Add and subtract numbers
4. Understand multiplication and division
5. Identify, name, describe and sort shapes
6. Tell time to 5 minutes
7. Measure and compare lengths of objects
8. Read and interpret picture graphs



Platforms



Workbook and
Reviews



Journal Writing



Activity-Based
Lesson

Math Resources

Primary Mathematics Textbooks (*to be used as reference for parents*)

Primary Mathematics Practice Book (1A and 1B)

Mini Whiteboard

Hands-on Manipulatives

Files: Blue (1A) and Purple (1B)



Ways we hope to partner you

Rigor

- Ensure daily practice
- Check their PO for homework
- Get child to explain concepts to you



Ways we hope to partner you


Presentation of Work (Neat and Organised)


- Ensure that there are proper steps and equations
- Ensure **proper filing** of Worksheets
- Ensure **corrections are complete (with thorough checking)**





Sample of Student's Work


3 Write the numbers or number words.
Colour the correct number of objects.

(a) 

(b) 

(c) 

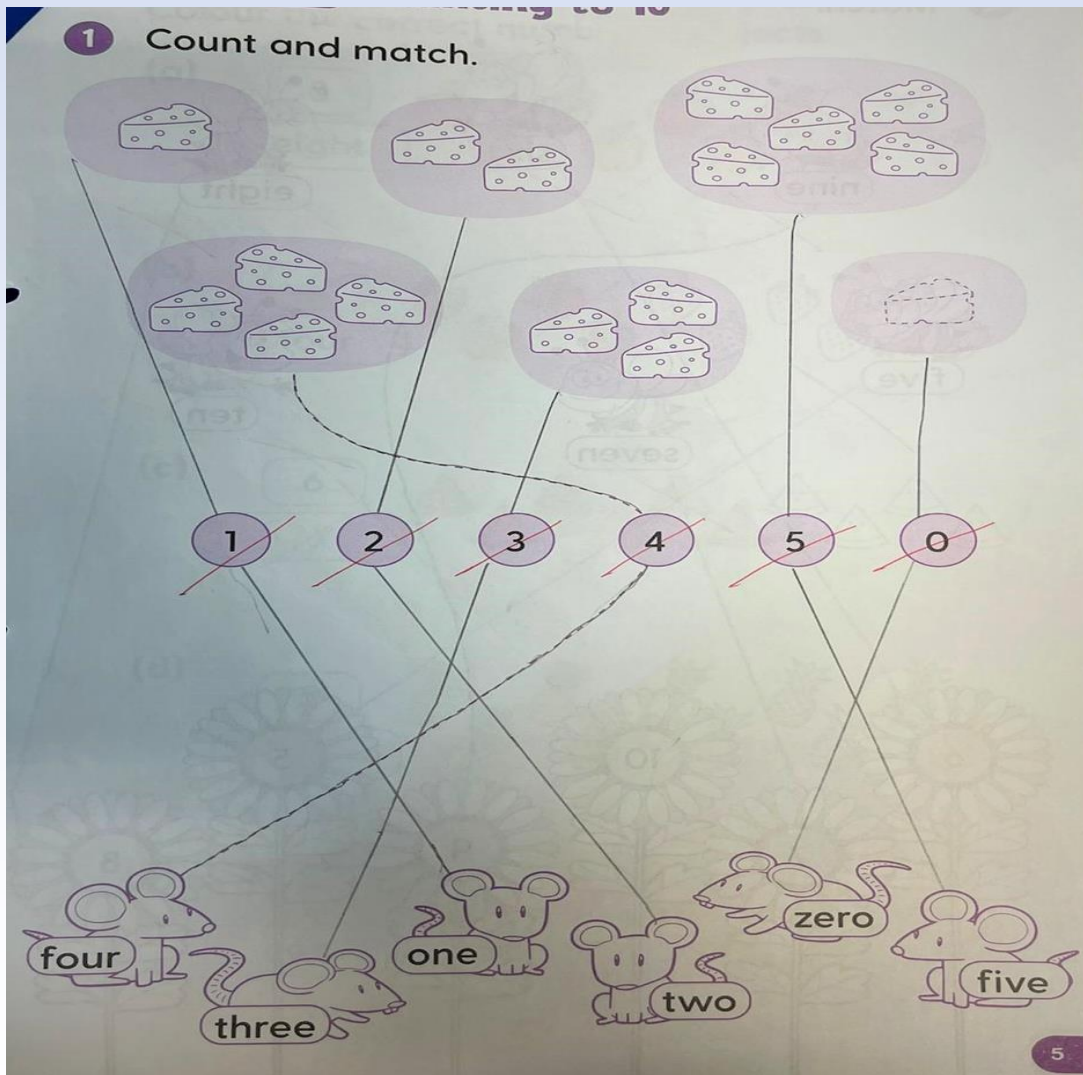
(d) 

(e) 

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Neat and tidy colouring

Sample of Student's Work

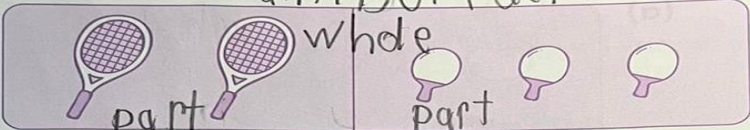


Drawing lines
using a ruler to
match

Sample of Student's Work

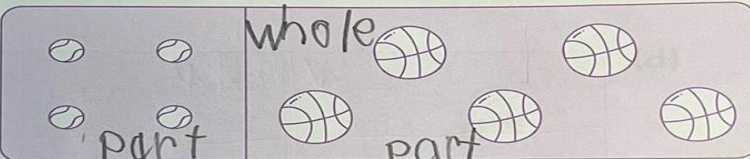
2 Write two different addition equations for each picture.

family of facts

(a)  whole part

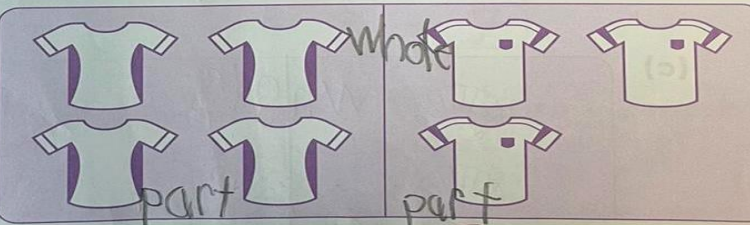
~~$2 + 3 = 5$~~

~~$3 + 2 = 5$~~

(b)  whole part

~~$4 + 5 = 9$~~

~~$5 + 4 = 9$~~

(c)  whole part

~~$4 + 3 = 7$~~

~~$3 + 4 = 7$~~

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- Neat and tidy handwriting
- Writing of math vocabulary to show understanding

Ways we hope to partner you

- Develop and prepare them the following skills
 - ❖ Time Management
 - ❖ Accuracy
 - ❖ Mental Calculation



