



Fern Green



Funtastic Math @ FGPS



Mrs Michelle Yap (SSD HOD)
Mrs Lim-So Kah Li (LSM Coordinator)

Reflective Inquirers, Aspiring Advocates, Steadfast Leaders



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Can you play games without using numbers?





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Can you compete in a sport without using numbers to learn if you have won the game?



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Can you cook/ bake without using numbers?



- 1 cup salted butter* softened
- 1 cup white (granulated) sugar
- 1 cup light brown sugar packed
- 2 tsp pure vanilla extract
- 2 large eggs
- 3 cups all-purpose flour
- 1 tsp baking soda
- ½ tsp baking powder
- 1 tsp sea salt***
- 2 cups chocolate chips (or chunks, or chopped chocolate)

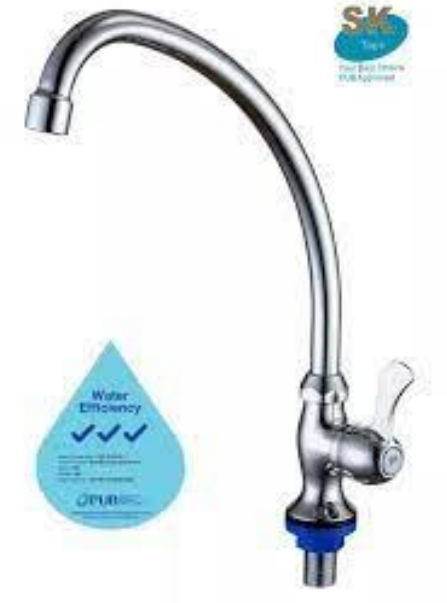
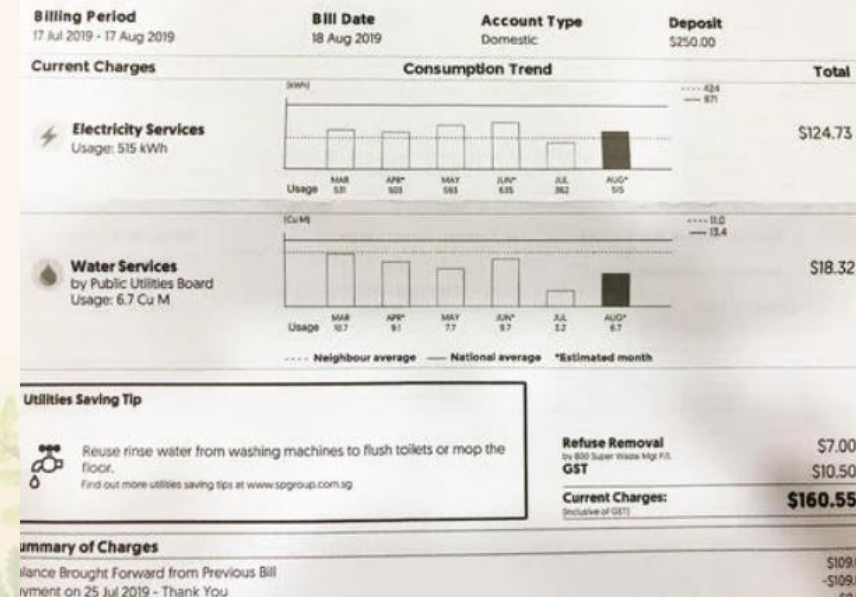




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Can you manage the home without using numbers?

- How much water is used?
- Paying electricity bill, usage of mobile data
- What is your monthly expenses? How much do we save per month?



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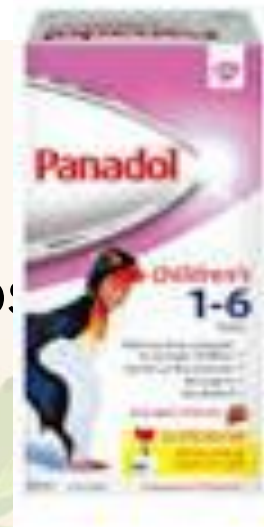


Can you take medication without knowing what the numbers mean?

For Fever and Pain

Paracetamol is commonly used to treat pain and fever in children. The correct dose of paracetamol depends on your child's weight. The usual dose of paracetamol is 10-15mg per kg (of your child's weight), taken once every 4 to 6 hours, up to 4 times in 24 hours if needed.

- What is the weight of your child?
- What is the dose required? In terms of ml, mg?
- 4 to 6 hours, up to 4 times in 24h – to know the maximum dose
- Would 1 bottle of 60ml be sufficient to last 2 days?





Can you go grocery shopping without using numbers?



- Shopping within a given budget.
- How much can we buy?
- How much do we have left?



Why do we learn mathematics?

- Numeracy in the real world – universal language
- Gives us a way to identify patterns, define relationship, predict the future
- Math concepts and skills helps us do many important things in our daily lives

Math

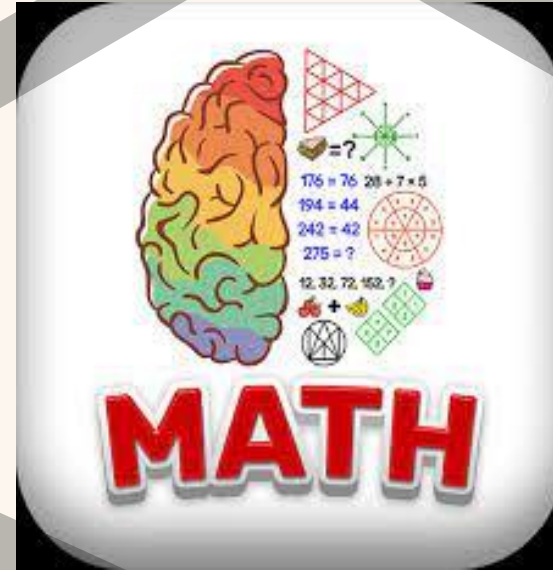




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Math Matters

- Powerful Tool
- Essential Life Skill
- Understand the world
- Encourages reasoning, critical thinking, problem solving and communication skills





Uses of Math in Practical Life



Finances

Eg: count and manage money

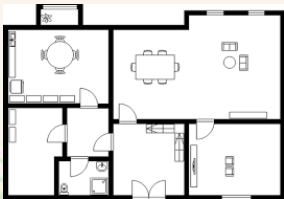
Sports

Eg: Improves a person's cognitive and decision-making skills



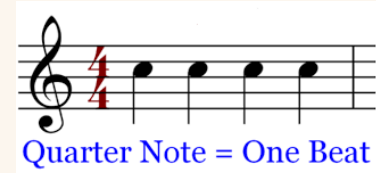
Home Design

Eg: Area and Perimeter, measurements



Music

Eg: Using fractions and ratio helps understand rhythm of musical notes



Cooking

Eg: measurements in baking, cooking; fractions and ratio



Agriculture

Eg: determine yield and quantity of crops, returns and expenditures





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Math develops the ability to think



Helps explain the way things work



Able to calculate, measure, analyse



Helps make informed decisions



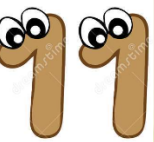
Necessary for Science and Art



Identify patterns



Solve secrets of nature





Jobs that require Math



Data Analyst

Medical Scientist

Auditor

Economist

Computer Programmer

Financial Analyst



And many more



University Entry Requirements

International Baccalaureate (IB) Diploma

New 'A' Level Curriculum

These are the minimum requirements for the new 'A' level curriculum (1.e. H1/H2/H3 subjects).

The IB Diploma is a recognised certificate for consideration by NUS for admissions. However for entry into the Business Administration and Business Administration (Accountancy) courses specifically, IB Diploma holders are expected to have read and passed **Standard Level Mathematics for those taking the IBDP Examination Session November 2020 and earlier or a pass MAA or HL MAI for those taking the IBDP Examination Session May 2021 and beyond.** Other subjects like Business Studies help to give students a slight head start, but are not pre-requisites for entry.

Polytechnic Diplomas from Singapore

Polytechnic students from Singapore, regardless of nationality, who hold a Diploma from any area are highly encouraged and recommended to have a strong mathematics preparation similar to the requirement for A-level students as this will serve as an essential foundation to a business education at NUS. You should also submit your Singapore-Cambridge GCE O-level results, if available. If you are a student in your final semester of study at the Polytechnic, you can apply with your results obtained from your first 5 semesters of study. You should submit your final semester results to the Office of Admissions, NUS as soon as these are available.

Please refer to: <http://www.nus.edu.sg/oam/gradeprofile/sprogramme-igp.html> for the latest Indicative Grade Profile and course places for both A-level and polytechnic applicants.



Polytechnic Entry Requirements



Minimum Entry Requirements	
Subjects	Grade
English Language	1 - 7
Mathematics (Elementary/Additional)	1 - 6
Any two other subjects	1 - 6
<i>Please also refer to Note (a)</i>	
English Language	1 - 7
Mathematics (Elementary/Additional)	1 - 7
Any two other subjects	1 - 6
<i>Please also refer to Note (b)</i>	

Secondary School Subjects



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The subjects offered are:

- English Language
- Mother Tongue Languages
- Mathematics
- Science
- Character and Citizenship Education
- Humanities, such as Geography, History and Literature in English
- Design and Technology
- Food and Consumer Education
- Physical Education
- Art
- Music
- Project Work

MOE Website

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Primary School Curriculum



Basic Numeracy

Develop logical reasoning & problem solving skills required in many disciplines

Have the knowledge and skills for learning mathematics at the next level



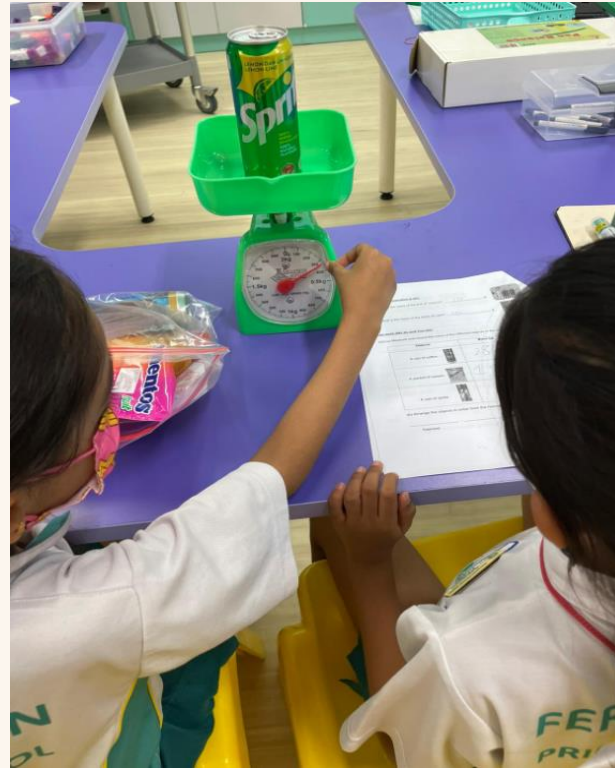
Math is useful!

Learning by Doing Approach



Hard

~~Math is fun~~





Math is useful!

Problem Based Learning

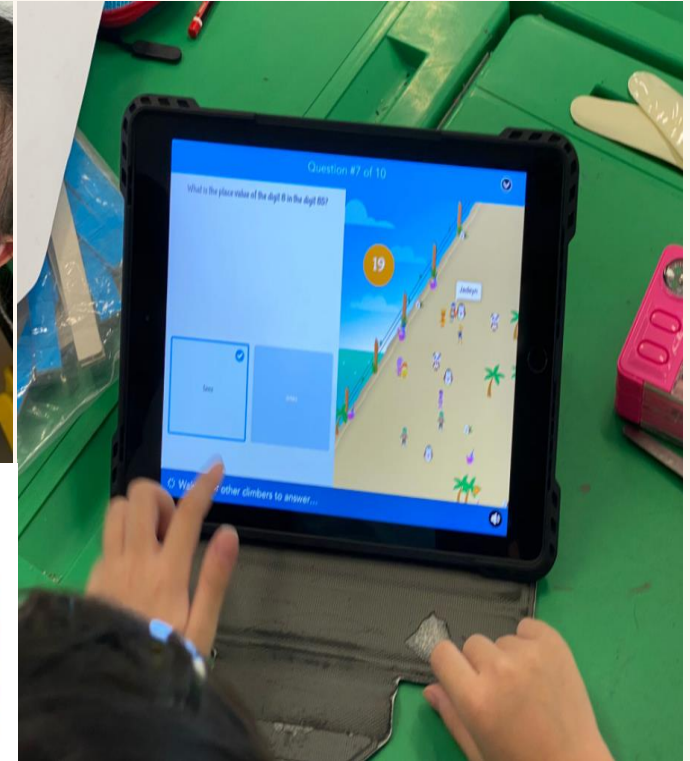




Leveraging on Technology



Math is useful!



SINGAPORE
Student Learning Space

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Koobits @ Home



Self-directed &
Independent Learning

Intuitive & User friendly, AI
adjusts level of difficulty

Captivating Interest

Interactive, Motivating & Fun

Aligned to syllabus

Relevant worksheets



Mission

Aligned to MOE's Maths Curriculum

Stay updated on the latest P1 to P6 syllabus

Primary 1 [Change Level](#) ★ 0 / 36 **Numbers to 10** Proficiency % High Score ★★★

	High Score	Skill Name	Difficulty	Tutorial
Numbers to 10				
Addition	1 ★★★	To count the number of objects	🔥👉👉👉	Practice
Subtraction				
Shapes	2 ★★★	Count to 10 in numbers	🔥👉👉👉	Practice
Ordinal Numbers				
Numbers to 20	3 ★★★	Count to 0	🔥👉👉👉	Practice
Addition and Subtraction				
Picture Graphs	4 ★★★	Count on to find 1 more	🔥👉👉👉	Practice
Numbers to 100				
Addition and Subtraction within 100	5 ★★★	Compare two numbers within 10	🔥👉👉👉	Practice
Length				
Multiplication	6 ★★★	Count to 10 in words	🔥👉👉👉	Practice
Division				
Time	7 ★★★	Compare the number of objects in two or more sets	🔥👉👉👉	Practice
	8 ★★★	Count back to find 1 less	🔥👉👉👉	Practice



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Fun Features in Koobits



Daily Challenge - Math

10 personalized questions per day


Opening Hours:

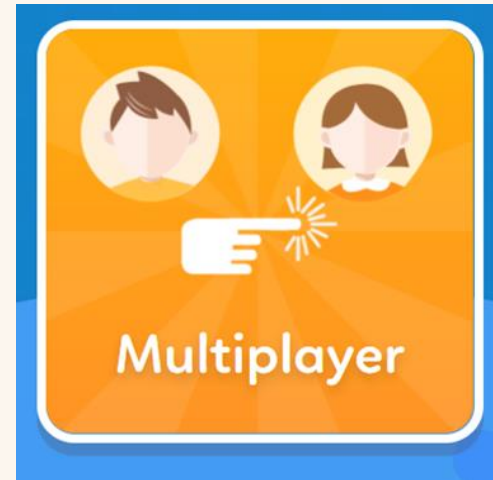
6am to 10pm, Monday to Saturday

Total Qns

10

Rewards

 17 CPs (Full Score)



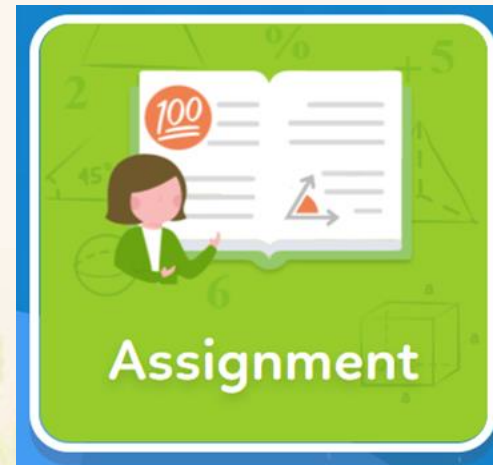
Peer Challenge - Math

Opening Hours:

6am to 10pm Daily



3 Challenges remaining for today



Teacher assigned

Fun Features in Koobits

Motivating

Fun



The screenshot shows the 'Leaderboards' section of the Koobits app. At the top, there's a blue banner with a trophy icon, the word 'Leaderboards', and a 'Rules' button. Below this, there are two tabs: 'Math' and 'Science'. A yellow notification bar features a cartoon fox character named Miko, stating: 'Miko is adding up your CPs and will update the Leaderboard every 5 minutes.' Underneath, there's a section titled 'Open Challenges' with a dashed blue line. This section contains six challenge cards, each with an 'Open' button in the bottom right corner. The challenges are: 'Hero of The Day' (Daily Challenge: 6am to 10pm), 'Top Brain' (Quarterly Challenge), 'Champion Class' (Monthly Challenge), 'Best Friends Forever' (Weekly Challenge: Mon to Sun), 'Super Hero' (Weekly Challenge: Mon to Sat), and 'Lion City' (Start Date 01 Dec 2022, Close Date 31 Dec 2022).

Self-directed



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Fun Features in Koobits



20 mins/day = 30% improvement

Nurture a learning habit with 10 customised questions

Why are 200,000+ children so eager to practise maths every day on KooBits? That's because they love our 10-question daily challenge.

These 10 questions adapt to a child's ability, giving them the **perfect dose of difficulty** to stay motivated. We've paired it with a **clever rewards system** to encourage consistent effort too.

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- ✓ 10 daily questions customised to improve your child's weak points
- ✓ Aligned to the latest Singapore MOE syllabus
- ✓ 1,000+ Animated tutorials that help kids visualise and learn concepts 4x faster
- ✓ Unlimited access to 100,000+ P1-P6 maths questions for the best revision
- ✓ Heuristic mastery for the toughest MOE word problems

- ✓ Automatic marking, instant feedback and step-by-step explanations
- ✓ 100+ Top schools' exam papers with full-worked solutions
- ✓ Easy-to-use platform, made for kids to use by themselves





Parents- You are important!

Make it Fun!



Confidence
Curiosity
Courage



Reinforce positive
behaviour and attitude



Focus on
effort, not
mistakes



Pose problems
according to their
current level of
knowledge



Make connections
to real life



Focus on Child's
progress and ability



PRAISE

Parents and Teachers



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“At the end of the day, the most overwhelming key to a child's success is the positive involvement of parents.”
- Jane D. Hull

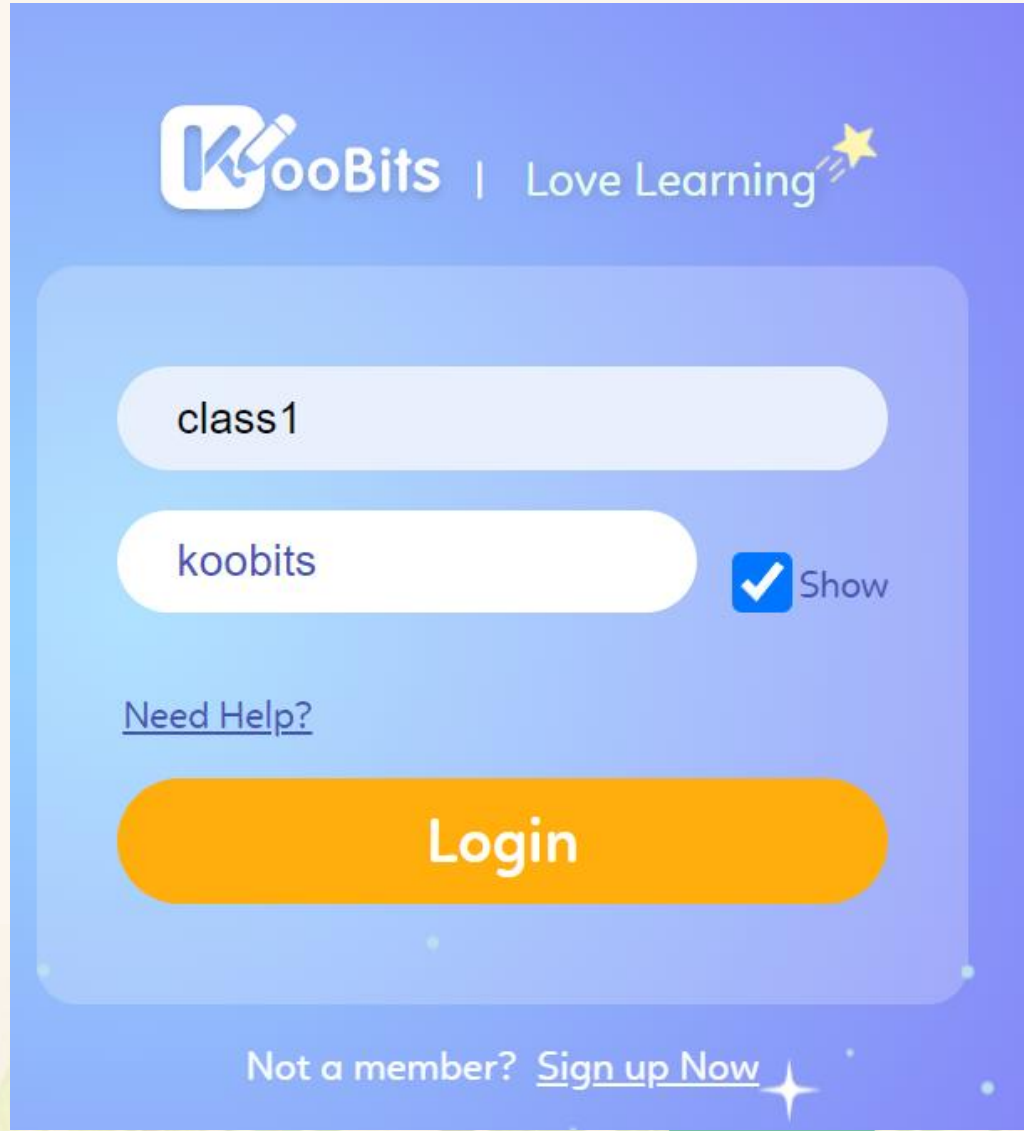
Together
MAY WE GIVE
our children
the roots
to grow
AND THE
wings
to fly



Hands-on with Koobits (5 min)



Please scan for website.





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Class 1



Fern Green Primary School

0

XP



Daily Challenge

10 personalized questions per day



Start

Mission

Multiplayer

Assignment





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< Back



Best Friends Forever

My BFF Code
120923663

My team's CPs this week
 **0**
25 Dec 2023 - 01 Jan 2024

My Friends **0**

Incoming Requests **0**

Sent Requests



Class 1

My BFF code: 120923663



Fern Green Primary School



Today

0

This Week

0

Start by adding your BFF!

Send the invitation to your friend using his/ her BFF code.



Add Friends

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Hands-on with Koobits (5 min)



<https://youtu.be/yIwCqx5RESM>

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For any queries, please email
tan_sue_ling_kimmy@moe.edu.sg
tan_huey_teck@moe.edu.sg
lim-so_kah_li@moe.edu.sg



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For coming

**For your kind
attention**

**For playing an important
role in your child's learning
journey**



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