

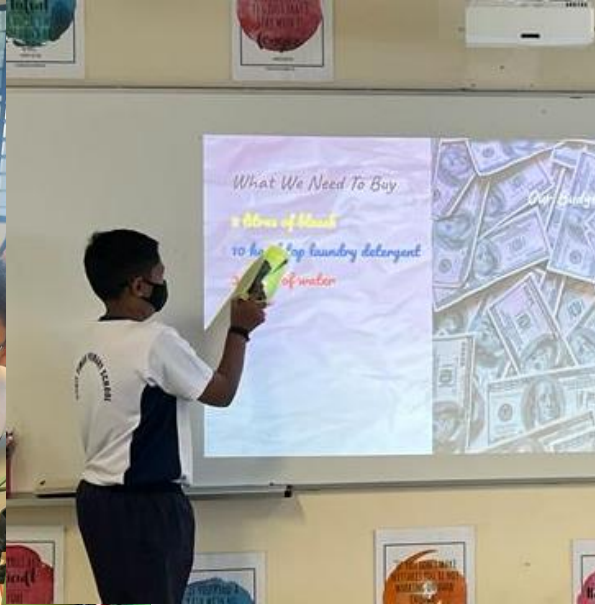
Primary 5 Mathematics MTPS

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A PRESENTATION BY
BUKIT TIMAH PRIMARY SCHOOL



Enjoy Math through Exploration



More opportunities to explore
real-life and novel math
problems



Key Learning Experiences: Authentic Learning Experiences

My FLOOR PLAN

Claim
The living room is the most comfortable place in my house.

Support
The living room is the most comfortable place in my house because it has a sofa, a table, and chairs. It is also bright and airy.

Question: 1) What fraction of the house makes up the following rooms:

Room	Fraction	Decimal	Percentage
Bedroom(s) (1)	$\frac{18}{100}$	0.18	18%
Kitchen	$\frac{16}{100}$	0.16	16%
Living Room	$\frac{24}{100}$	0.24	24%
Toilet(s) (1)	$\frac{8}{100}$	0.08	8%
Bathroom (2)	$\frac{10}{100}$	0.10	10%
walkway	$\frac{16}{100}$	0.16	16%
Toilet (2)	$\frac{8}{100}$	0.08	8%

Question: 2) What is the total percentage of the 2 bedrooms in the house?
3) What is the total percentage of the living room, bedroom(1) and the walkway?

2 EXAMPLES OF RATE!

75¢ AXA: 75¢ per 1 can of peas
5.99 AXA: 5.99 per 20 cans of water

Check around! I will get my own chocolate. Why not? One hour to do anything. The price of chocolate is not that important.

1 TICKET = \$10.00 12 TICKETS = \$120.00 25 TICKETS = \$250.00 50 TICKETS = \$500.00 120 TICKETS = \$1200.00

I really love your trip because you have great food, you have great music, you have great people, you have great views, you have great experiences!!

An example:
To buy only one ticket, it is \$10.
If you buy 12 tickets at one go, it is \$120.
If you buy 25 tickets at one go, it is \$250.
If you buy 50 tickets at one go, it is \$500.
If you buy 120 tickets at one go, it is \$1200.

2 Questions I have:
Who would calculate how much it is worth, since all of them is obviously about the same price?
Even if the "25 tickets for \$10" is the best deal, what if your family has more people going with you is less than 25? We shouldn't spend more, right?
What is the average rate of the ticket prices?
Why is rate used even as for getting tickets? Why do people or more like do that? We should check & calculate!!

Best Deal!!



Uniquely BTPS: Metacognition

Dedicated Improvement and Reflection Time (DIRT)

LP

- Develop the habit of looking at the WALT statements to monitor learning.
- Checklist, Exit Cards

MP

- Understand what “good” work looks like.
- Self-assess using a set of criteria and act on teachers’ feedback.
- Post Activity Reflection

UP

- Reflect and analyse own strengths and areas of improvement.
- Deploy relevant resources to close their own learning gaps.
- Post Lesson Reflection, Post Assessment Reflection




WA2 REFLECTION

Question	What mistake did I make?	How can I avoid mistake next time?
b)	I drew the top view wrongly. I looked at the sides, then drew the top, but I was supposed to look at the front then draw.	I can draw arrows the top from the front.
1	I looked at the fraction without seeing if it was a proportion or a quantity.	I can highlight the question's unit to which is which.
3	I read the question properly. I left out the cube part.	I will read the questions slower and understand it.

Good attempt on your first post Assessment reflection

It's the beginning of a new and better day.



Uniquely BTPS: Metacognition

Dedicated Improvement and Reflection Time (DIRT)

Thurs 23rd April 2021

REFLECTION

What am I proud of in this piece of
I successfully managed to try to estimate the area of a circle. Although it was not accurate, I was difficult drawing a proper rectangle/square but not give up. At least I came up with something.

What am I not happy about with this piece
My estimate was very far from the actual thing something had gone wrong along the way but I realised during class discussion. It was too late to anything.

My work deserves B grade because I had gone wrong because of which, my estimate totally off. However, I tried hard so, I don't get a B. A is for perfect and C is for fair. B is in the My efforts balance out my mistakes.

How can I improve in my work?
Maybe, I should have used a combination C and D instead of only rectangle. I should tried to make a figure with more sides to in accuracy.



Mathematics Teaching and Learning @ P5

Programmes for Mathematics Learning

1. Learning Support (Pull-out) – Supporting mathematics learning.
2. ASC Programme – Supporting mathematics learning.
3. Math Olympiad Programme – Developing higher-order thinking skills.
4. E2K Programme – Developing higher-order thinking skills.
5. STEM Programme – Design Thinking & Computational Thinking



Mathematics Teaching and Learning @ P5

Resources for Teaching and Learning

- Textbooks and Workbooks
- Topical Reviews
- TOM Journals
- I Can Solve (ICS) booklet and Problem-Solving Heuristics (PSH) Booklet
- Speed and Accuracy Practices
- Koobits and other online resources for Blended Learning



Standard Mathematics Assessment @ P5

	Term 1	Term 2	Term 3	Term 4
Base Mark	30	30	30	100
Weightage	10%	15%	15%	60%
Schedule*	22 Feb 2024	2 May 2024 to 16 May 2024	7 Aug 2024 to 21 Aug 2024	24 Oct 2024
Topics*	Chapter 1 & 2	Chapter 3, 4 & 5	Chapter 6, 7 & 8	P1 to 5 syllabus
Format	MCQ SAQ LAQ	MCQ SAQ LAQ	SAQ LAQ	MCQ SAQ LAQ
Duration	50 min	50 min	50 min	2 h 30 min



Standard Mathematics Exam Format

Paper	Booklet	Item Type	Number of Questions	Number of marks per question	Number of marks	Duration
1	A	Multiple-choice	10	1	10	1 h
			5	2	10	
	B	Short-answer	5	1	5	
			10	2	20	
2		Short-answer	5	2	10	1 h 30 min
		Structured / Long-answer	12	3, 4, 5	45	
			47	-	100	2h 30 min



Mathematics CATalytics Assessment @ P5

- Computerized adaptive test customized for each student.
- Objective: Assess students' proficiency in Standard Mathematics based on the learning outcomes described in the syllabus.
- Topics involved: Measurement and Fractions (Over 2 days)
- Duration: Approximately 1 h 15 min
- Format: 30 MCQ questions



Feedback to Parents

Topical worksheets will be sent home for parent's acknowledgement after the completion of each topic.

Files will be sent home for revision termly.

Self-assessment checklist will be stapled with the topical worksheets and sent home for parent's acknowledgement after the completion of certain topics.

P5 Math Self-Assessment Checklist
Chapter 1 – Whole Numbers

Name: _____ Class: 5 _____

Tick the column that best describes your understanding of the Math concepts in this chapter.

My Learning		
I know how to...	😊	😞
1. Read and write numbers within 1 million in numerals and in words		
2. Find the whole given another part within 1 million		
3. Read and write numbers within 10 million in numerals and words		
4. Find the whole given another part within 10 million		

I am still unsure about or I need to work on:

Teacher's Acknowledgement:

Parent's Signature:



Partnership with Parents

How can you help your child?

- Ensure your children revise the work that we have done in class everyday.
- Monitor their homework, eventually work towards them taking ownership of their own learning.
- Encourage them not to be over-reliance on the use of calculators.
- Encourage them to work within the stipulated time frame (for better time management during examinations, especially for Paper 1).
- Deploy targeted revision on weaker topics. It is more effective than doing multiple sets of practice papers.
- Encourage them to check their work.
- **Be encouraging and supportive!**



Thank You



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STRIVE FOR THE BEST

