

CROSS-BORDER EDUCATIONAL SUPPORT

- One-on-one online supplementary math lesson
- Personalized learning sessions
- Filipino teacher (Ph based) to Foreign student (Jp based)



CROSS-BORDER EDUCATIONAL SUPPORT

SITUATIONER

- **Students**

- Filipino, Sri Lankan
- 4 (Rainbow), 5 (Manaful)

- **Grade level**

- Grades 3 – 6

- **Language**

- English
- Filipino
- Cebuano Bisaya

- **Module**

- Zoom



CROSS-BORDER EDUCATIONAL SUPPORT

- **One-on-one Online Supplementary Math Lesson**
(Advanced or Review)
 - *On first meeting, get-to-know the pupil and assess his/her level*
 - You may ask questions like:
 - What lesson do they currently discuss in school?
 - Do they want to discuss about their current lesson or a different topic?
 - Which math lesson do they find difficult and needs review/tutoring?
 - From above, you may provide exercises to check the level of knowledge
 - e.g multiplication
 - *1x1 to 4x1 digit examples*
 - *2x2 to 4x2 digit examples*



CROSS-BORDER EDUCATIONAL SUPPORT

- **Personalized learning sessions, dependent on student's:**
 - strength and weakness
 - In Rainbow, Ate Yumi provides worksheets of students.
 - In Manaful, nothing is provided
 - learning styles
 - We will know during sessions or as we get to establish rapport with students.
 - language preference
(*English, Filipino, Cebuano-Bisaya*)

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■ GENERAL TIPS

- Build rapport, get to know your students well
- Ask about your students learning styles
- Use whiteboard
- Maximize chat GPT
- Check youtube on how to present topics the simplest way possible





CROSS-BORDER EDUCATIONAL SUPPORT



TIPS FOR TEACHING MATH ONLINE



MATH ONLINE LESSON FLOW



HOW TO USE WHITEBOARD (MANUAL AND TIPS)





TIPS FOR TEACHING MATH ONLINE





TIPS FOR TEACHING MATH ONLINE

1. Make it Interactive
2. Keep Lessons Structured and Pacing Adjusted
3. Use Real-World Examples
4. Encourage Active Participation
5. Provide Visual and Hands-On Support
6. Be Patient and Adaptable
7. Use Breaks and Incentives
8. Check for Understanding Regularly





TIPS FOR TEACHING MATH ONLINE

1. Make it Interactive

- i. Use virtual whiteboards (e.g. Zoom Whiteboard, Jamboard) to work through problems together.
- ii. Encourage students to draw, type, or highlight parts of the problem/questions.
- iii. Encourage students to speak in the language they are most comfortable using (English, Filipino, Bisaya)





TIPS FOR TEACHING MATH ONLINE

2. Keep Lessons Structured and Pacing Adjusted

- i. Start with a quick warm-up (mental math or a short review).
- ii. Teach the concept using step-by-step explanations with examples.
- iii. Let students practice with increasing difficulty.
- iv. End with a short summary and a fun challenge (be creative).





TIPS FOR TEACHING MATH ONLINE

3. Use Real-World Examples

- i. Show how math applies to daily life (e.g., shopping, cooking, sports, or video games).
- ii. Use objects around them (coins, dice, or household items) or their favorite food (pizza, cake) to demonstrate concepts like fractions or measurement.





TIPS FOR TEACHING MATH ONLINE

4. Encourage Active Participation

- i. Ask open-ended questions instead of just giving answers.
- ii. Have students explain their thought process to reinforce learning.
- iii. Let them "teach" you a problem to check understanding.





TIPS FOR TEACHING MATH ONLINE

5. Provide Visual and Hands-On Support

- i. Use visual aids
- ii. Screen-share to demonstrate concepts (videos from YouTube or photos from reliable sources)
- iii. If they have a small whiteboard, paper and pen, or iPad, encourage them to write and show their work.





TIPS FOR TEACHING MATH ONLINE

6. Be Patient and Adaptable

- i. Recognize different learning speeds and learning styles, and adjust accordingly.
- ii. If a student struggles, try a different approach (videos, hands-on activities, or storytelling).
- iii. Celebrate small victories to build confidence.





TIPS FOR TEACHING MATH ONLINE

7. Use Breaks and Incentives

- i. Short attention spans mean they might need a quick break (e.g., a fun math riddle, movement break, asking how their day went, or let them share something they are interested at).
- ii. Use a reward system like earning stars or points for effort and progress, or even play their favorite song in the background while answering mini quizzes when you have identified it is their learning style.





TIPS FOR TEACHING MATH ONLINE

8. Check for Understanding Regularly

- i. Use mini-quizzes or “thumbs up/down” questions.
- ii. Ask them to explain their answer in their own words.
- iii. If needed, revisit foundational skills before moving forward.





MATH ONLINE LESSON FLOW





MATH ONLINE LESSON FLOW

1. **Warm-Up** (3-5 Minutes) – Get Ready!
2. **Introduction** (5-10 Minutes) – Teach the Concept
3. **Guided Practice** (10-15 Minutes) – Solve Together
4. **Independent Practice** (10 Minutes) – Student Tries!
5. **Wrap-Up** (5 Minutes) – Review & Reflect



MATH ONLINE LESSON FLOW

1. Warm-Up (3-5 Minutes) – Get Ready!

- Greet the student and check how they're feeling.
- Quick math game or mental math question.
- Review previous lesson (ask 1-2 quick questions).
 - ✓ Example: "Let's start with a quick challenge: What is 7×8 ?"





MATH ONLINE LESSON FLOW

2. Introduction (5-10 Minutes) – Teach the Concept

- Introduce the topic with a simple, real-life example.
- Use a visual (Zoom Whiteboard, Jamboard, or a shared slide).
- Explain step-by-step with a worked-out example.
- Encourage questions!
 - ✓ Example: Teaching fractions? Show a pizza image and divide it into slices.



MATH ONLINE LESSON FLOW

3. Guided Practice (10-15 Minutes) – Solve Together

- Solve problems step-by-step with student participation.
- Ask guiding questions instead of giving direct answers.
- Let the student explain their thinking out loud.
 - ✓ Example: Write " $24 \div 4 = ?$ " on the whiteboard and ask, "How can we break this into smaller parts?"



MATH ONLINE LESSON FLOW

4. Independent Practice (10 Minutes) – Student Tries!

- Give 2-3 problems for the student to solve alone.
- Encourage them to show their work using annotation tools.
- Provide hints if they get stuck, but let them think!
✓ Example: If learning multiplication, ask them to solve “ 15×3 ” and explain how they did it.





MATH ONLINE LESSON FLOW

5. Wrap-Up (5 Minutes) – Review & Reflect

- Ask the student to summarize what they learned.
- Highlight any mistakes and correct misunderstandings.
- Assign a small challenge or fun puzzle for next time.
✓ Example: "Great job! Can you quickly explain how we divide a number by 4?"





HOW TO USE WHITEBOARD (MANUAL AND TIPS)





HOW TO USE WHITEBOARD (MANUAL AND TIPS)

How to Access the Zoom Whiteboard

A. Enabling the Whiteboard (Before Class)

- i. Log in to your Zoom account at zoom.us.
- ii. Go to Settings → Click In Meeting (Basic).
- iii. Scroll down and enable Whiteboard if it's not already on.

B. Opening the Whiteboard (During Class)

- i. Start a Zoom meeting and share your screen.
- ii. Click Share Screen → Select Whiteboard → Click Share.
- iii. A blank white screen will appear with drawing tools.

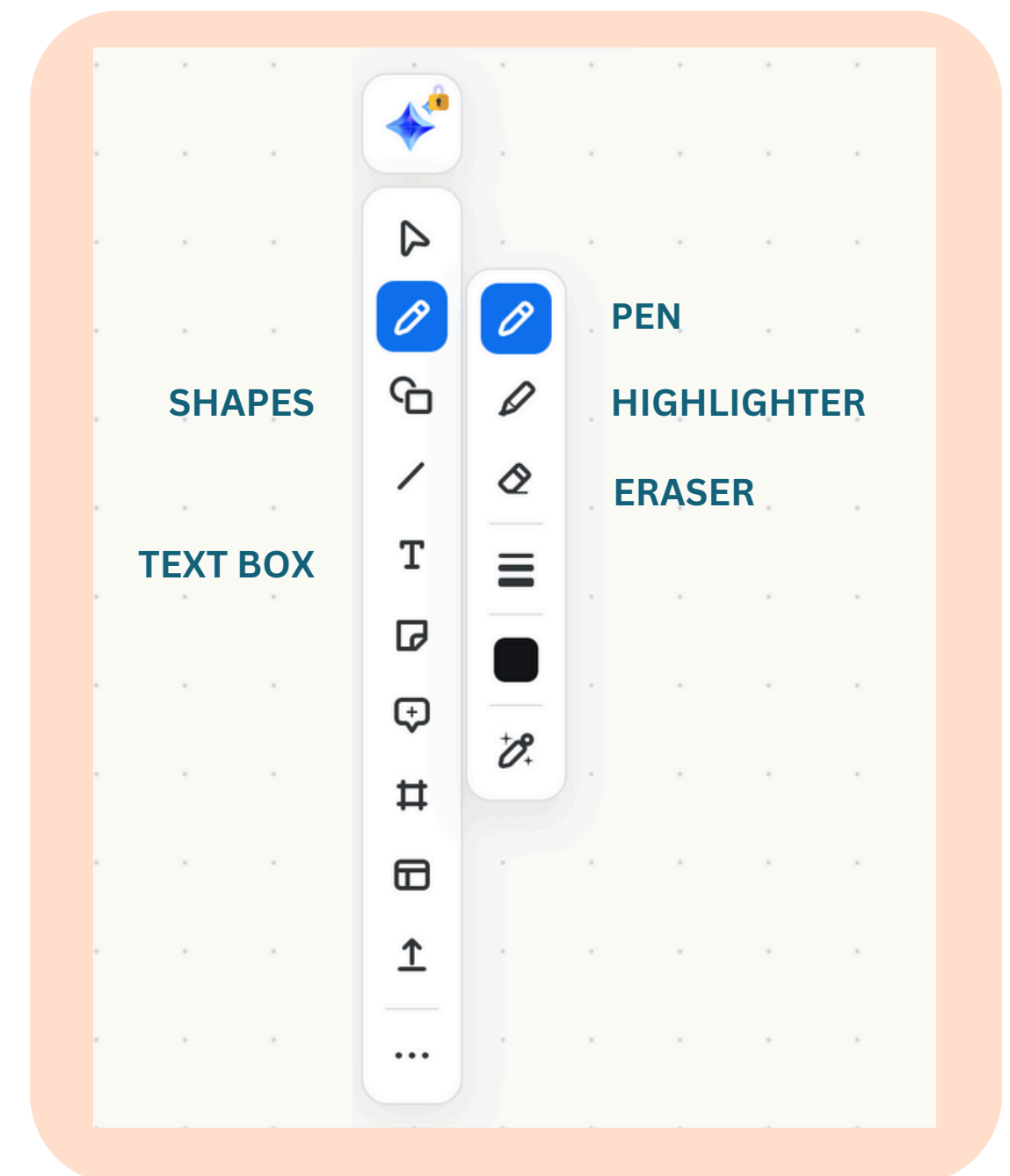


HOW TO USE WHITEBOARD (MANUAL AND TIPS)

Using the Whiteboard Tools for Math Lessons

A. Basic Drawing Tools

- Pen & Highlighter → Write problems and solutions.
- Eraser → Clear mistakes without erasing everything.
- Text Box → Type explanations or instructions.
- Shapes → Draw circles, squares, or lines for geometry lessons.

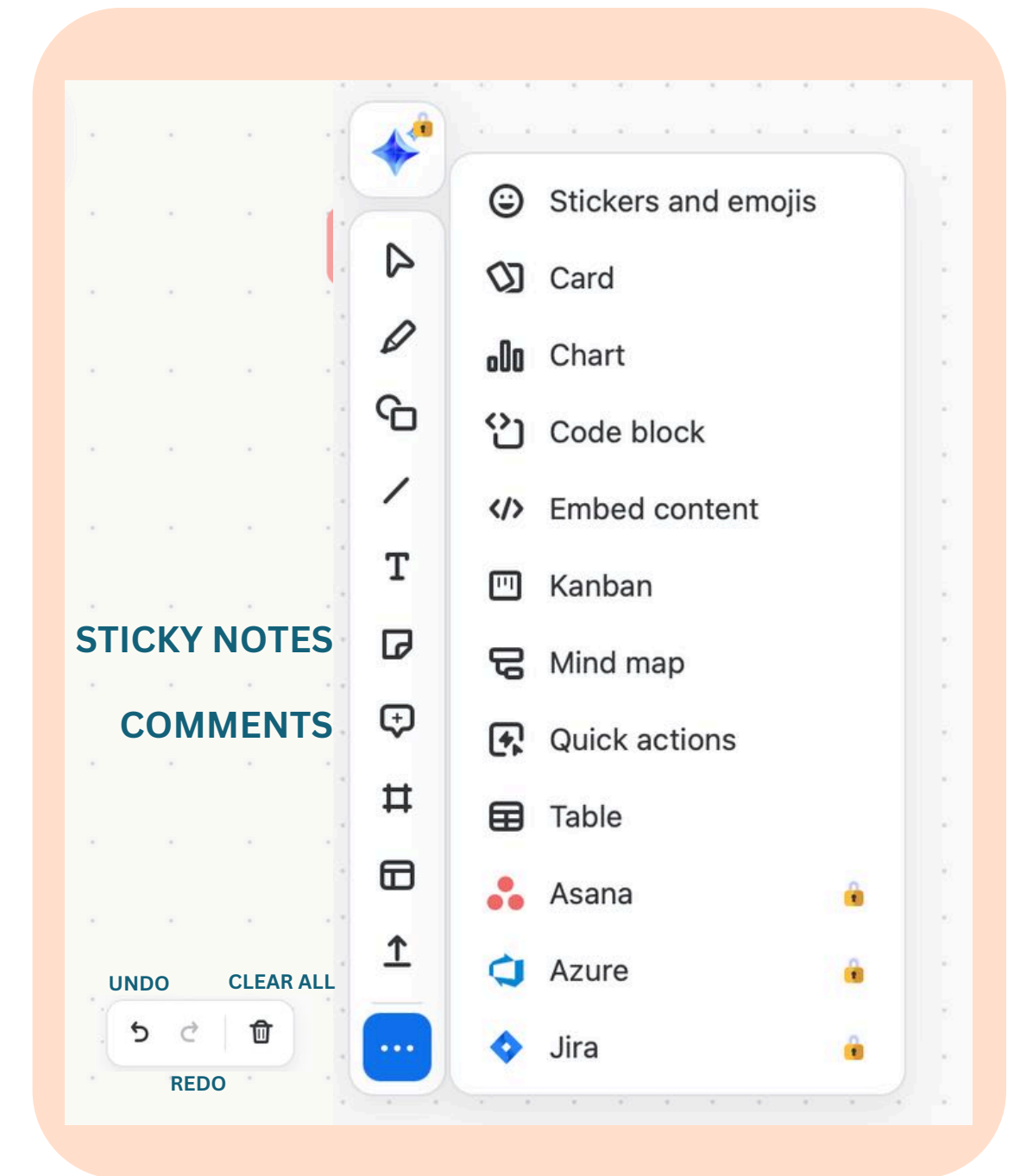


HOW TO USE WHITEBOARD (MANUAL AND TIPS)

Using the Whiteboard Tools for Math Lessons

B. Advanced Tools for Interactive Lessons

- Annotate Feature → Students can write or draw answers directly.
- Stamp Tool → Use checkmarks or stars to highlight correct answers.
- Undo & Redo → Easily correct mistakes.
- Clear All → Erase everything with one click to start fresh.





HOW TO USE WHITEBOARD (MANUAL AND TIPS)

Using the Whiteboard Tools for Math Lessons

A. Writing and Solving Problems Together

- Write a problem (e.g., " $12 \times 4 = ?$ ").
- Ask students to use Annotate to circle the answer.
- If they're unsure, use step-by-step breakdowns with color coding.

B. Using Virtual Math Manipulatives

- Draw number lines for fractions or division.
- Use shapes to demonstrate area, perimeter, and geometry.
- Write step-by-step solutions for word problems.





HOW TO USE WHITEBOARD (MANUAL AND TIPS)

Using the Whiteboard Tools for Math Lessons

4. Saving & Reviewing Work

- Click "Save" on the whiteboard to keep a copy of student work.
- Use the saved work to review in the next session.
- If using multiple whiteboard pages, switch between them using the Page Navigation.





HOW TO USE WHITEBOARD (MANUAL AND TIPS)

Common Issues & Quick Fixes

Issues	Common Fixes
Students can't write on the whiteboard	Enable "Allow participants to annotate" in the Zoom toolbar.
Lagging or slow response	Ask students to limit extra apps running in the background.
Whiteboard disappears	Click "Share Screen" again and select "Whiteboard."

Pro Tip: When all else fails, restart Zoom and rejoin meeting.





HOW TO USE WHITEBOARD (MANUAL AND TIPS)

Bonus: Alternative Whiteboard Tools for More Features

If you need extra features, try these:

- ✓ Jamboard (by Google) – Simple & easy to use.
- ✓ Bitpaper – Great for interactive math lessons.
- ✓ Ziteboard – Collaborative and works well on any device.

