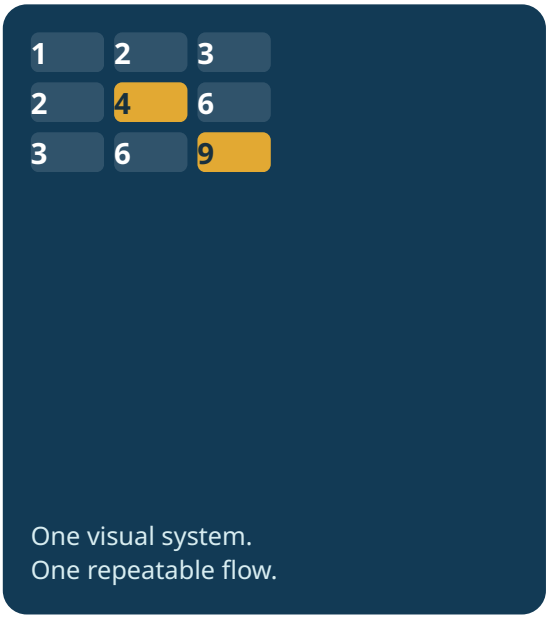
QUICK-START REFERENCE

The Sullivan Multiplication Solution

Beta Guide · Education Without Borders

Use this guide to move through the beta from sign-in to progress tracking. The workflow is designed to keep setup short, review simple, and the worksheet format consistent.



01 BASIC INSTRUCTIONS

Sign in	Set role	Create	Review	Track
Use your email.	Teacher, Parent, or Student.	Choose a worksheet type.	Mark only the misses.	Check progress.

1 Sign in with your email address

The beta collects only your email address - no other personal information.

2 Create the right profile

Choose Teacher, Parent, or Student. Teachers enter a full display name, such as Mr., Mrs., or Miss Jones; it prints on worksheets. Everyone selects a grade from the dropdown.

3 Create a worksheet

Choose 1×1, 2×1, 2×2, or 3×2. There is no 3×3 option. Print the worksheet on one letter-size page.

4 Use the reusable times table

The 10×10 table is standard. Select 12×12 when you need the extended version.

5 Review, then check Progress

Use the on-screen Correct/Wrong toggles or the printed correction sheet with Yes/No boxes. Every answer starts as Correct, so mark only the misses. Then open Progress to see the running percentage-correct and per-number miss counts.

Fast review rule: compare answers, mark the misses, and move on. The correction sheet does the calculating for you.

02 WHAT'S HAPPENING IN MATH — AND WHY IT CAN'T WAIT

PISA is the OECD's test of 15-year-olds in more than 80 countries, run every three years. The latest results — PISA 2025, published September 2026 — are the worst ever recorded. Math scores held roughly steady from 2003 to 2018, then collapsed. This is a sharp recent collapse after years of stability.

489 (2018) → **472** (2022) → **463** (2025)

Average math score across wealthy countries. About 20 PISA points equals roughly one year of schooling — students have lost well over a year's worth of math.

1 in 5

fifteen-year-olds is now a low performer in math — up from 1 in 6 just three years earlier.

497

Canada's math score in 2022, above the OECD average — yet 22% of Canadian 15-year-olds still score below baseline proficiency (Level 2).

478 → 65%

The United States scored 478 in math in 2022. In 2025, only 65% of American 15-year-olds reached basic math proficiency.

Before covid

The decline started before the pandemic — scores were already slipping before 2018. The OECD calls the causes structural, not just pandemic-related.

The window is grades 3–5.

By age 15 the gap is enormous and hard to close — but the foundation, basic multiplication, is built years earlier. That's the window. This beta exists to make sure your child owns that foundation before the window closes.

Go deeper: **"The Virus Within"** — why teaching multiplication without one standardized written visual method is a root cause of later math gaps.

Sources: OECD PISA 2022 & 2025 results; Council of Ministers of Education, Canada, "Measuring Up: Canadian Results of the OECD PISA 2022 Study."

Tips & future considerations

Education Without Borders

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03 TIPS FOR CONSISTENT USE

STANDARDIZED LAYOUT

Put the smaller number on the bottom

Every stacked equation follows this rule, reducing partial-product rows and keeping the format predictable.

TWO CLEAR MODES

Codes ON teaches; Codes OFF assesses

Turn codes on for teaching mode. Turn codes off for assessment mode; the grid lines remain.

KNOWN CEILING

No single calculation is harder than 9×9

The grid keeps each individual multiplication fact within the basic 9×9 foundation.

LESS REPRINTING

Print the times table once

Keep it available and reuse it across worksheets whenever the learner needs support.

TRACEABLE WORK

One worksheet per page, one serial number per worksheet

Each printed page stands on its own and carries its own worksheet serial number.

04 WHAT'S COMING

A **French and more languages**
The final release will list English first, French second, then other languages alphabetically.

B **Production release with real accounts**
A production version with a full account system is planned beyond the beta.

C **School version**
A dedicated school version is on the roadmap.

D **Feedback shapes the next build**
Beta feedback - especially from teachers - will help decide what gets built next.

Your input wanted: worksheet layout

We're considering reducing the number of equations on each worksheet to make the answer boxes larger. What do you think of the current worksheet structure? Parents and teachers — send us your comments through the beta's feedback feature.

Use it. Test it. Try to break it.

Clear, specific feedback is the fastest way to improve the experience for teachers, parents, and students.

Teacher critics welcome.