

MATH 101^(tm)

Program Description and Operation

Current Activities:

Addition	Skip Counting
Subtraction	Family Facts
Multiplication	Missing Addends
Division	Reducing Fractions
Conversions	Rounding and Estimating

All activities have these basic components:

- Practice Sessions - sets of 12 facts
- Tests - Sets of 20 facts - Pass/Fail
- Review Tests - Sets of 30 facts - Pass/Fail
- Mastery Tests - Sets of 80 facts - Pass/Fail
- Challenge Folder - Facts missed during the Mastery Test

Practice Sessions are timed practice activities, designed to review and reinforce basic facts. To avoid finger counting, the response is timed. Six seconds is the default “Response Timer” setting. The response timer can be adjusted for each student. If students do not answer within the set time, they will be asked to “Try Again”. After two incorrect or timed out responses, the correct answer will be provided. Students will then review the timed-out or missed fact. “**Show Answer First**” is a practice option. This option allows students to see the correct answer first when doing the first practice session. This is the recommended option for students who need assistance.

Tests are Pass/Fail and will appear after two practice sessions (Practice-Practice-Test). Students who pass the test move on to the next Practice Session. Those who do not pass must review their missed facts then retake the Test. The Response Timer is in place for the test and test benchmarks are adjustable.

Review Tests are regularly scheduled cumulative tests. The Review Tests are also pass/fail. If students pass, they move forward to the next fact sequence. If they do not pass they will automatically review their missed facts and then retake the Review Test. The Response Timer is in place for the test and test benchmarks are adjustable.

Mastery Tests are separate “*Final*” tests designed to check mastery in a particular activity. This is a Pass/Fail Test. Facts that are missed and need review will automatically be located in a “Challenge Folder”. Separate “Mastery Test” benchmarks and adjustable Response Timers are available.

Challenge Folder consists of those facts missed after taking the Mastery Test. These facts are renewed after each taking of the Mastery Test.

Basic Facts

- Addition Facts begin with $2+1=_$ and go to $9+9=_$
- Subtraction Facts begin with $2-2=_$ and go to $18-9=_$
- Multiplication Facts begin with $2\times 1=_$ and go to $9\times 9=_$
- Division Facts begin with $2/1=_$ and go to $81/9=_$

Students master one fact sequence (2+1 through 2+9) before progressing to the next fact sequence (3+1 through 3+9).

Setting Options - The default password is *pass*.

- Select Lesson – allows students or teachers to begin or to practice specific number sets. (+5 or x4 or -8, etc.) *Menu/Select/Select Lesson*
- Show Answer First – Selecting this setting will allow the student to see the answer before being asked to fill it in. *Menu/Configure/Configure General*
- Require Enter- Selecting this setting will require students to press Enter after answering the equation. *Menu/Configure/Configure General*
- Pass/Fail percentage for Tests and Review Tests - the default setting is 90%. *Menu/Configure/Configure Exercises*
- Pass/Fail percentage for Mastery tests (90% default setting) *(Menu/Configure/Configure Exercises)*
- Timeout – Seconds students have to answer (default setting vary with Activity) *(Menu/Configure/Configure Exercises)*

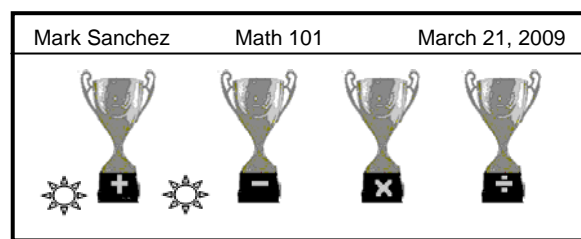
Report/Score

A Student Progress Report can be viewed and printed. To view student progress, open to the Math 101 Activity Screen and press the “Score” key. You can also Press *Enter* while in the Score screen to view the student’s “**Activity Log**”. The Activity Log is an ongoing timed and dated record of what the student has been doing within the math facts program.

Send a progress report to a computer by pressing the Send key while in the Math 101 activity screen.

Trophies and Awards

Students will see Trophies and Awards appear in the opening screen as they complete math activities. Complete “Gold Cups” are awarded to students who complete all Practice, Tests, Review Tests and the Mastery Test portions of the Addition, Subtraction, Multiplication and Division fact activities.



Notes

- All student work is automatically tracked, monitored and assessed.
- Students may do multiple activities at the same time.
- Facts that are "Timed out" are considered incorrect.
- The Mastery Test can be taken at any time.