



Show-You-Know Math Facts

For iPhone and iPads it's called FastFacts Math



8 Features Help Children Learn Math Facts and Build a Powerful Home Practice Routine.

1) The app is part of the Show-You-Know Practice Method

Children learn a to practice well. They learn that an incorrect answer is NOT a mistake, but a part of learning.

2) Clear, measurable, attainable goals.

The app makes it easy to create lists to practice, test, and review.

3) Children begin with Multiple Choice.

Having a choice reduces anxiety, and helps children recognize the answer when they see it. Once they know the facts well, they can switch to Exact Answer.

4) The app helps children answer without counting or hesitating.

Children learn to trust the first answer that comes to mind. They learn to be OK with incorrect answers. They learn how to use a growth mind set to respond to both correct and incorrect answers.

5) Children use the Back of the Card to gain understanding and fluency.

After a miss, children tap on See Back of Card. They review the graphics and strategies.

6) Practice Mode gives children extra practice with the facts they miss most.

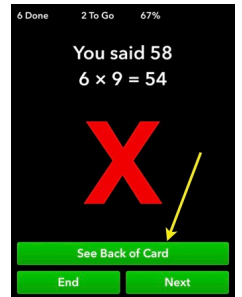
If children miss a fact, they see it again later in the practice session. In every session, children are successful with every fact.

7) The app keeps track of every answer over time.

Children see the facts they miss most. With a few taps, they get extra practice with those facts. Teachers and parents see how much children have been practicing, and which facts they miss most.

8) The Ultimate Way to Review.

Keep sharp. Save time. More options for games and challenges. See page 3.



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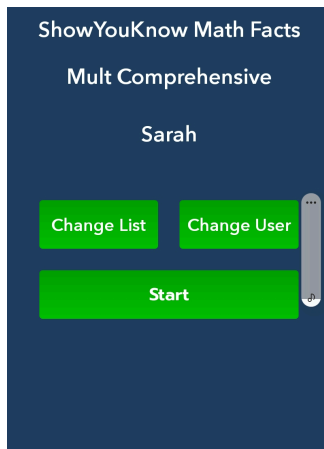
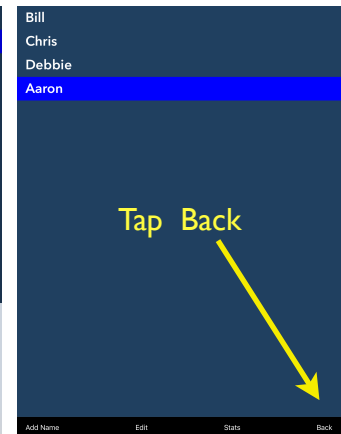
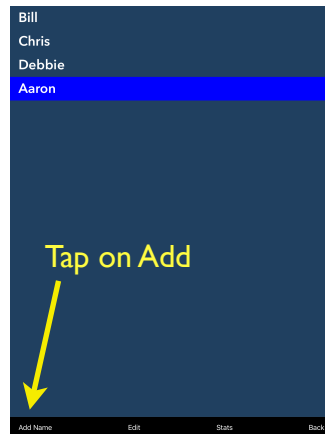
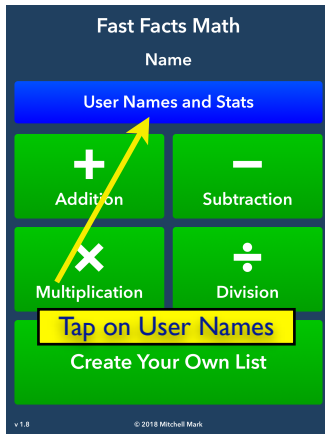


Show-You-Know Math Facts



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Add Names

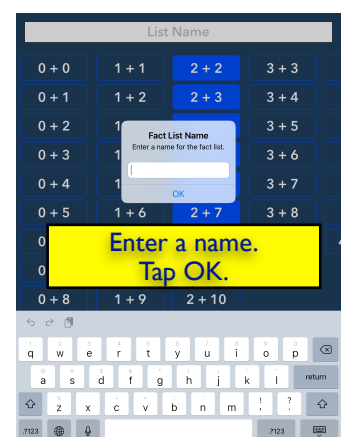
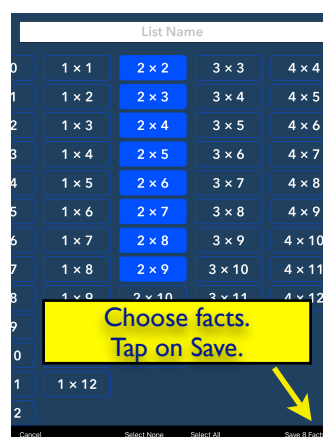
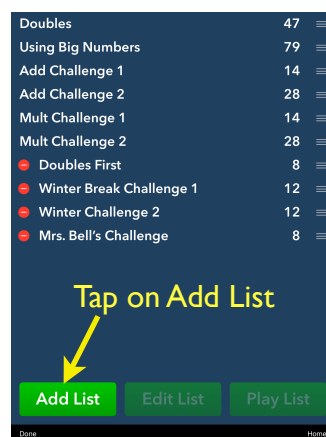


Most of the screens are the same for the IOS (iPhone/iPad) and Android versions.

The home screen is different. This is the home screen for Android.

To add a name, tap Change User.
To add a list, tap Change List

Add Lists





Options



Options menu with the following settings:

- Sound:
- Multiple Choice:
- Speed Mode:
- Timer: 4 seconds (Slider at 4)
- Display Timer:
- Question Counter:
- Practice Mode:
- 10 Facts (Slider at 10)

Sound: If on, you hear sounds after correct answers.

Multiple Choice: If off, you see the fact and type the answer.

Speed Mode: When correct, you go right to the next question. If off, you get a Correct screen.

Timer: This is the amount of time you have to answer a question.

Display Timer: Shows current total time.

Question Counter: Shows how many questions are left.

Practice Mode: If you miss a question, you will see it again. A session is over when you answer every fact correctly.

This last option is new and awesome. See the Ultimate Review below.

The Ultimate Review

1) Create a list with all the facts you want to practice. You can include addition, subtraction, multiplication, and division. You can make a list with all the hardest facts.

2) At the bottom of the options screen, choose the number of facts you want to practice.

Instead of answering the entire list, choose a number of facts to practice. On the screen above, 10 was chosen. You can slide the circle left or right to increase or decrease the number.

You can review every day, and still keep practices short.

6 Done 2 To Go 67%

You said 58
 $6 \times 9 = 54$

X

See Back of Card

End Next

2 Done 6 To Go 0% Time 4.1

$\begin{array}{r} 6 \\ \times 9 \\ \hline 54 \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$
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Visual representation of multiplication facts using colored dots (green and yellow).

End Next

Back of Card

If your answer is not correct, or time expires, you can view the back of the card. This does not effect your total time. The timer starts when you tap Next.

Use the back of the card to better understand facts. When you understand facts, it's easy to remember them.

Practice Frequently Missed Facts

Select your name. See Add Names on page 2.

Select Stats. Choose an operation (+, -, x, ÷).

The image shows two parts of the app interface. On the left is a list of names under the heading 'Name'. Below the list are three buttons: 'Add Name', 'Change Name', and 'Stats'. A grey arrow points from the 'Stats' button to the right-hand screenshot. The right-hand screenshot shows a 'Multiplication Report' for a user named 'Mitch'. At the top, there are four buttons for operations: '+', '-', 'x', and '÷'. The 'x' button is highlighted in blue, and a yellow arrow points to it. Below the operation buttons is the user's name 'Mitch' and an email icon. A black arrow points from the text 'Email Report' to this icon. The main part of the screenshot is a table of multiplication facts. The top five rows are highlighted in blue, indicating they are selected. A yellow arrow points to the bottom row of this selection, '3 x 3'. Below the table is a black bar with four buttons: 'Study Selected Facts', 'Select All', 'Select None', and 'Back'.

Fact	Count	Percentage
6 × 7	3 of 22	13%
7 × 8	3 of 18	16%
4 × 8	4 of 22	18%
7 × 9	3 of 11	27%
6 × 9	4 of 9	44%
4 × 6	4 of 8	50%
4 × 9	4 of 8	50%
6 × 8	4 of 8	50%
4 × 7	4 of 6	66%
8 × 9	4 of 6	66%
2 × 2	8 of 10	80%
3 × 8	6 of 7	85%
3 × 9	6 of 7	85%
2 × 6	8 of 9	88%
2 × 7	9 of 10	90%
3 × 3	9 of 10	90%

Practice the facts you miss most

- 1) On iPad/iPhone tap User Names and Stats.
On Android tap on Change User.
- 2) Tap on Stats
- 3) Tap on the operation (+, -, x, ÷).
- 4) Tap on the facts at the top of the list.
- 5) Tap on Study Selected Facts.

Get extra reps with the facts you need to practice most.

Teacher and Parents

The Stats report is an excellent way to monitor children's progress.

You see the facts they missed most.

You also see how many times they've answered each fact.

You can see how much they have been practicing, and which facts they need help learning.

There is an email icon in the upper right corner.

Ask children to click on it and email you a report once a week.



Verify Progress



A student helper or volunteer can verify progress.

Create a list.

- 1) On iPad/iPhone tap Create Your Own List. On Android tap on Change List.
- 2) Tap on Add List.
- 3) Tap on the facts. Tap Save Facts.
- 4) Name the list.

Use these options or choose your own.

- 1) Set timer to 3 seconds.
- 2) Turn on Speed Mode.
- 3) Turn off Practice Mode.
- 4) Multiple Choice.

Select the student's name, or enter it. Give the student the app.

If they do not pass, have students write down the facts they missed.
They can practice and try again another day.

A Better Assessment

A Better Assessment

- ◎ Students practice at home.
Parent volunteers use the free app to verify student progress at school.
- ◎ Students benefit from immediate feedback after every answer.
- ◎ No waiting for test results, and no failures.
If students do not pass, they practice and try again.
- ◎ There are no papers to collect or correct.
- ◎ Teaches, parents and students are all aware of student progress.



An End Goal is Motivating

One reason children love video games so much is because it's satisfying to reach new levels towards an end goal.

It's easy to create an end goal. Simply identify the facts.
Students create an End Goal list on the app.
When they reach the goal, they show-they-know