



Show-You-Know Math Facts



An opportunity for children to learn on their own.

- ⦿ Give them goals.
- ⦿ Give them tools.
- ⦿ Give them a way to show-they-know.

Get a free math facts app and instructional flashcards at ShowYouKnow.org



Give children goals and recognition.

- ⦿ Children learn a set of facts. When they know them well, they show a parent.
- ⦿ Parents are aware and involved, and provide support and encouragement for children.
- ⦿ Success and recognition motivate children to pursue their next goal.



Teachers: Students practice at home. All teacher participation is optional.

- ⦿ Give students a Goals Chart.
- ⦿ Give them the page, *From Counting to Knowing*.

Students: Keys to Success.

- ⦿ Stop counting. Counting is NOT helping you learn. If it was, you would know your facts.
- ⦿ The app will help you stop counting and learn math facts.
- ⦿ When you miss a fact, learn it. Use the *Back of Card* feature in the app to understand the fact.
- ⦿ When you know a set of facts well, find a parent and Show-You-Know. This takes about 20 seconds.



Parents: Encourage. Celebrate success.

- ⦿ Post your child's achievements on social media.
- ⦿ Family and friends join in supporting and encouraging your children.
- ⦿ Celebrate when children reach their final goal.

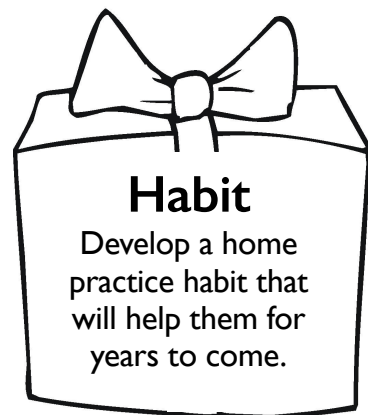
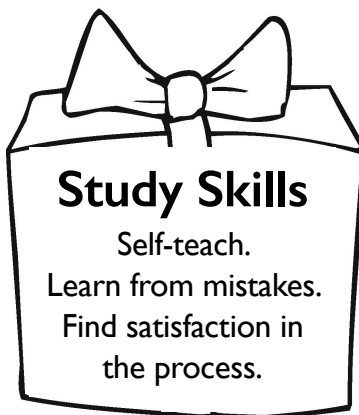
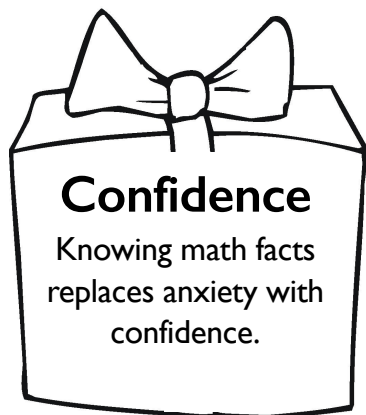


Why children want to take math facts tests at home.

- ⦿ Clear, attainable goals are motivating. Children want to reach the next level.
- ⦿ Recognition from parents, family, and friends gives children confidence and motivation.
- ⦿ If children are not successful, they practice and try again. They persist. No failure, no anxiety.

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Parents: Give your children these gifts.



Set the stage for success! Give your children goals they can reach.

Go to ShowYouKnow.org. Get the app. Print flashcards. Print the Parents Guide. Give your child the page, *From Counting to Knowing*. Post the Goals Chart. Children use the app and flashcards to practice on their own.

When children have learned the facts for the first goal, they use the app to show you. This take about 30 seconds. Their success and your recognition motivate them to pursue their next goal.



Be their biggest fan!

If your children like math, give them the goals chart and turn them loose. This is an opportunity for them to reach goals and Show-They-Know! If your children struggle with math, give them a pep talk. Let them know you believe in them, that you are cheering for them. Celebrate each goal. High fives and hugs go a long way. Praise them when they practice without a reminder. Encourage them to practice, but do not nag.

Celebrate when your children reach their final goal.

Provide incentive for your children to persist, and reach their final goal. Identify a way to celebrate when your children reach their final goal. Have a party. Go out for pizza. Reward them with a prize. Write your celebration on the Goals Chart.



Post on social media.
Give family and friends a way to encourage and support your children.



Your post:

Pat aced his first math facts goal!

We are proud of him. 🙌🙌🙌

Reply from family and friends.

Way to go Pat! Keep going! 😊 🚀 👍



From Counting to Knowing

Counting is a habit. It is not helping you learn.

If it was, you would know your facts by now.

You can learn to stop counting, and teach yourself math facts.



Multiple Choice will help you stop counting. Select it in the app.

Look at the question. Look at the answers. Answer quickly. Trust your brain.

If you are not correct, that's fine. It's better than counting.

Learning from mistakes is one of the keys to learning, and living life well.

The timer will help you stop counting. Set it to three seconds.

The timer is like a coach. If you take too much time, the coach will help you.

It's better to guess and be incorrect, than to let time run out.

Be patient with yourself. It may take time to get used to answering quickly.

Good news! Soon you will know the answer before you look at the choices.

You will see question, know the answer, and tap on it.

More good news: This format will help you learn the facts backwards and forwards.

6×8 and 8×6 both equal 48. You will learn two facts at once!

$$6 \times 8$$

$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$
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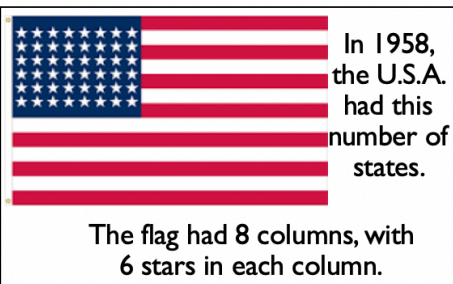
$$8 \times 6$$

44

48

49

54



In 1958,
the U.S.A.
had this
number of
states.

The flag had 8 columns, with
6 stars in each column.

When you miss, tap Back of Card on the app.

This step is crucial. This is how you learn. Stay positive. Be curious.

Describe what see. Pretend you are teaching the fact to someone else.

What would say? Say it out loud. It will help you learn.

Each time you do this, you learn the fact better.

For $6 \times 8/8 \times 6$, you learn a little U.S. History!

You can also use the flashcards. They have more hints and strategies.

Choose Practice Mode in the app, and get extra practice the facts you miss.

In Practice Mode, if you miss a fact, you will see it again later in the session.

A session is over when you have answered every fact correctly.

Check out your total time in the Progress Report. Get lightning fast!

The first time you get 100%, pat yourself on the back, but you are not ready to Show-You-Know.

There is a big difference between kind of knowing, and knowing every fact as well as you know $2 \times 2 = 4$.

Look at your total time. See how fast you can get. Great athletes keep practicing to go from good to great.

When you can answer every fact instantly, then you are ready to Show-You-Know.

Use the Stats feature in the app to practice the facts you miss most.

The app keeps track of every answer. The facts you missed most are listed at the top.

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1) On iPad/iPhone tap User Names and Stats. On Android tap on Change User.

2) Tap on your name. 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.





Addition Goals Chart



Name: _____

Add 2s	Add 3s	Add 4s	Add 5s	Add 6s	Add 7s	Add 8s	Add 9s	Final
2 + 2	3 + 2	4 + 2	5 + 2	6 + 2	7 + 2	8 + 2	9 + 2	After you reach your 9s goal, select the list, Add Comprehensive. Use Practice Mode until you are getting 100% with a 3-second time limit. Then show your parents and celebrate!.
2 + 3	3 + 3	4 + 3	5 + 3	6 + 3	7 + 3	8 + 3	9 + 3	
2 + 4	3 + 4	4 + 4	5 + 4	6 + 4	7 + 4	8 + 4	9 + 4	
2 + 5	3 + 5	4 + 5	5 + 5	6 + 5	7 + 5	8 + 5	9 + 5	
2 + 6	3 + 6	4 + 6	5 + 6	6 + 6	7 + 6	8 + 6	9 + 6	
2 + 7	3 + 7	4 + 7	5 + 7	6 + 7	7 + 7	8 + 7	9 + 7	
2 + 8	3 + 8	4 + 8	5 + 8	6 + 8	7 + 8	8 + 8	9 + 8	
2 + 9	3 + 9	4 + 9	5 + 9	6 + 9	7 + 9	8 + 9	9 + 9	Date: _____

Parents: Post this chart on your fridge.

Go to ShowYouKnow.org. Get the app. Print flashcards. Print the Parents Guide.

Give your child the page, *From Counting to Knowing*.

When your child reaches a goal, write the date above, and post on social media.

Children

Use the app and flashcards to learn the first set of facts.

When you know the facts well, Show-You-Know.

Each day you practice, write the date on the chart below. Example: Nov 7



Nov 7							You may know
Nov 8							all your facts
							before you
							get to
							this column!
							You CAN
# of days:							do this!

How many days will you practice this week? _____. Write the total days you practice each week.

How many day will you practice in a row? _____.

Celebration/Reward: _____

Signature: _____

Parent comment: _____



Multiplication Goals Chart



Name: _____

Mult 2s	Mult 3s	Mult 4s	Mult 5s	Mult 6s	Mult 7s	Mult 8s	Mult 9s	Final
2 x 2	3 x 2	4 x 2	5 x 2	6 x 2	7 x 2	8 x 2	9 x 2	After you reach your 9s goal, select the list, Mult Comprehensive. Use Practice Mode until you are getting 100% with a 3-second time limit. Then show your parents and celebrate! Date: _____
2 x 3	3 x 3	4 x 3	5 x 3	6 x 3	7 x 3	8 x 3	9 x 3	
2 x 4	3 x 4	4 x 4	5 x 4	6 x 4	7 x 4	8 x 4	9 x 4	
2 x 5	3 x 5	4 x 5	5 x 5	6 x 5	7 x 5	8 x 5	9 x 5	
2 x 6	3 x 6	4 x 6	5 x 6	6 x 6	7 x 6	8 x 6	9 x 6	
2 x 7	3 x 7	4 x 7	5 x 7	6 x 7	7 x 7	8 x 7	9 x 7	
2 x 8	3 x 8	4 x 8	5 x 8	6 x 8	7 x 8	8 x 8	9 x 8	
2 x 9	3 x 9	4 x 9	5 x 9	6 x 9	7 x 9	8 x 9	9 x 9	
Date: _____	_____	_____	_____	_____	_____	_____	_____	

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How many day will you practice in a row? _____.

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Signature: _____

Parent comment: _____