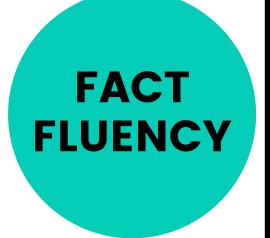




SELF PACED



FOR MULTIPICATION FACT MASTERY





STRATEGIC • CONCEPTUAL • PROGRESSIVE



Do your students struggle with the basic multiplication facts?



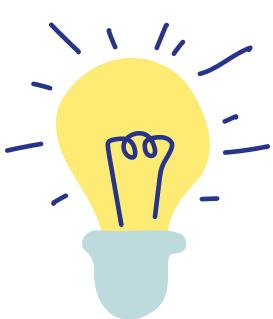
Do you want to implement a strategic approach to teaching multiplication, but you don't know where to start?

Do you wish you had a way to ensure that every student is being <u>appropriately challenged</u> and working to their full potential?

I taught a Grade 3–4 combined class during my first year as a teacher. When it came time to teach multiplication, I didn't know what I was going to do. Some of the students had already been doing multiplication for a year, while others didn't even know what it meant.

How was I going to appeal to all the students and ensure I was targeting each of their unique needs?

That's when The Multiplication Station was born (a much less sophisticated version back then). I developed a self-paced program where students could work through a series of multiplication activities at their own pace. I integrated principles of student engagement such as power, fun, and choice. The result was amazing. I had students begging me to keep doing multiplication.



The Multiplication Station has evolved since then. But it still includes those same basic principles that will **engage**, **motivate**, **and ensure success** for all students in your classroom.

This is the best resource that I purchased for 3rd grade! All of my students mastered their multiplication facts using this method! Great resource!

This was exactly what I was looking for! I am so happy I came across this resource. I taught 3/4 and this was perfect for the other group to work on while I was teaching the opposite group. This went through all of the strategies I wanted to cover, in a sequence that made sense! I saw INCREDIBLE growth in my student's multiplication skills this year!

How Does It Work?

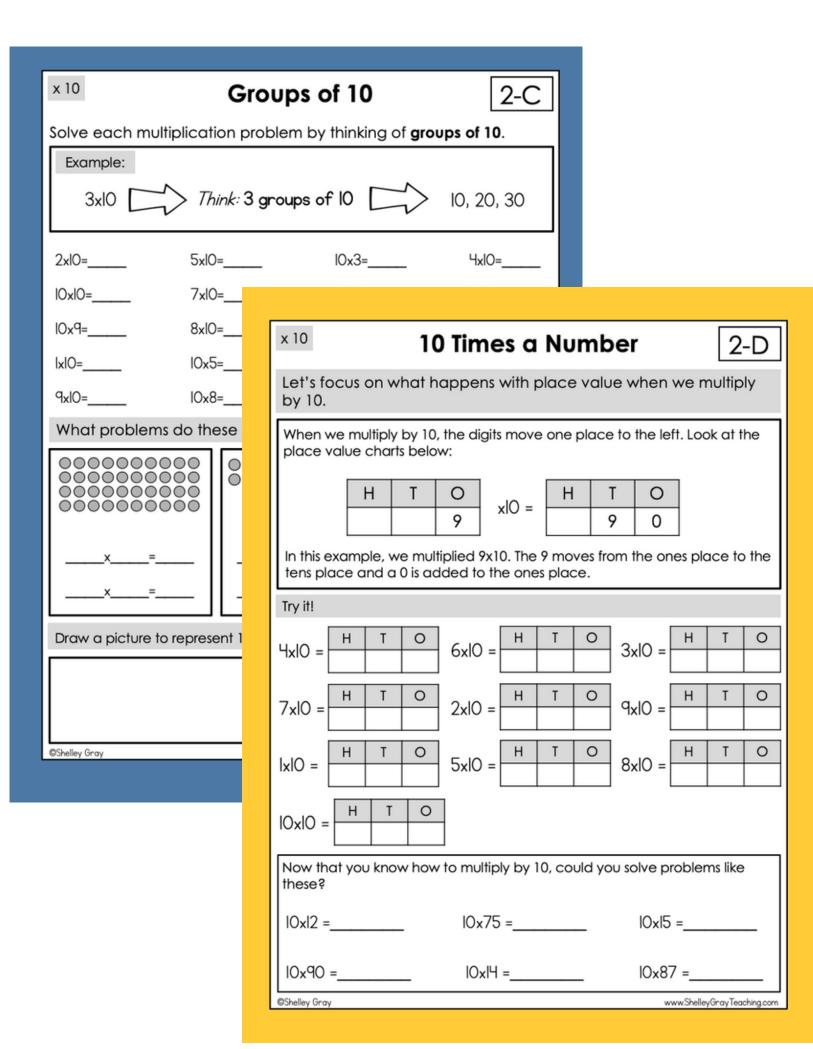
It's quite simple. Students work through a series of multiplication activities for each level. They complete the activities, **self-check** using the prepared answer keys, and **keep track of their progress** using their personal tracker. At the end of each level, the student asks the teacher for a quick, informal oral quiz and they move to the next level.

The process is entirely student-run. After the first week of the program, you will notice your role switching from teacher to facilitator.

Why do students love this so much? It's easy! They have power! They have freedom! They are truly in control of their learning. And THAT results in highly motivated students who love to learn.



Add to that **an effective order of teaching the facts** that makes practical sense, and you will have students who feel smart, successful, and engaged. It's just that simple.



Conceptual Understanding

Conceptual understanding is KEY in The Multiplication Station.

We want our students to truly understand multiplication rather than simply memorize the facts. Here are some samples of the activities that you can expect to find inside.



Making Connections Let's use arrays and other pictures to make connections. This array shows groups of 4 orx Add another row of 4. Now the array shows groups of 4 orx Draw a picture: Karen is holding 2 bags with 4 candles in each. This can be represented by She picks up another bag of 4 candles. Now she has bags of 4 candles. This can be represented byx.			
This array shows groups of 4 orx Double this array. Now the array shows groups of 4 orx For each fact below, draw a picture and then write two related facts.	x 4 Practicing the 4's Solve: 4 x 9 = 5 x 4 = 4 x 7 =	2 x IO	Let's make connections be
Related Facts: 6x4 is a related fact because it is the down that is a related fact because it is the down that is a related fact because it is just one 10x4 Related Facts: •x is a related fact because	4 x 3 = 2 x 4 = 4 x 1 = 4 x 8 = 4 x 10 = 4 x 4 = 0 x 4 = 4 x 0 = 7 x 4 = 3 x 4 = 1 x 4 = 9 x 4 =	Fill in the missing factors: $6 \times $	
•x is a related fact because	How would you explain the "double the double" strategy to someone will learning it?	5 x = 40	2x5 0000]x5
Related Facts: x is a related fact because x is a related fact because Shelley Gray	Complete the multiplication wheel: CHALLENGE Now that you un to double the do figure out any nu. Try it below wi numbers of the second secon	Write four multiplication sentences that have an EVEN product. ©Shelley Gray	Fill in the missing factors: 27 18 0 6

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7-C aking Connections tween x2 facts and x3 facts. Draw a diagram to show how you could use 2x8 to solve x9 to solve 3x9. This diagram shows that: This diagram shows that: s the same as 2x10 plus one more group of 10.



The **big ideas** that shape this program are:

- Conceptual understanding of multiplication is more effective for long term fact fluency than rote memorization.
- Although automaticity (knowing a fact within 3 seconds) is the end goal, we must teach strategies in order to get there.
- Strategies must build on each other so that students can make connections between what they already know and new learning.
- An effective order of teaching the facts will make multiplication easier to learn.
- Problem-solving is an important part of conceptualizing multiplication and should not be left for the end of the unit.
- When students experience success and know that they are capable, motivation is high.
- Students should be encouraged to think beyond 10x10. Once they possess effective strategies, these strategies can be used to solve bigger problems.

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This set is AMAZING! I teach a 3rd grade special education math class. In my experience children have the most difficulty learning their multiplication facts which impacts them for a long time. This system is incredible and my students even ask to do it during their break! I wasn't sure they'd be able to handle the independent work they'd be required to do, but they work so hard! Thanks so much for this product!!!

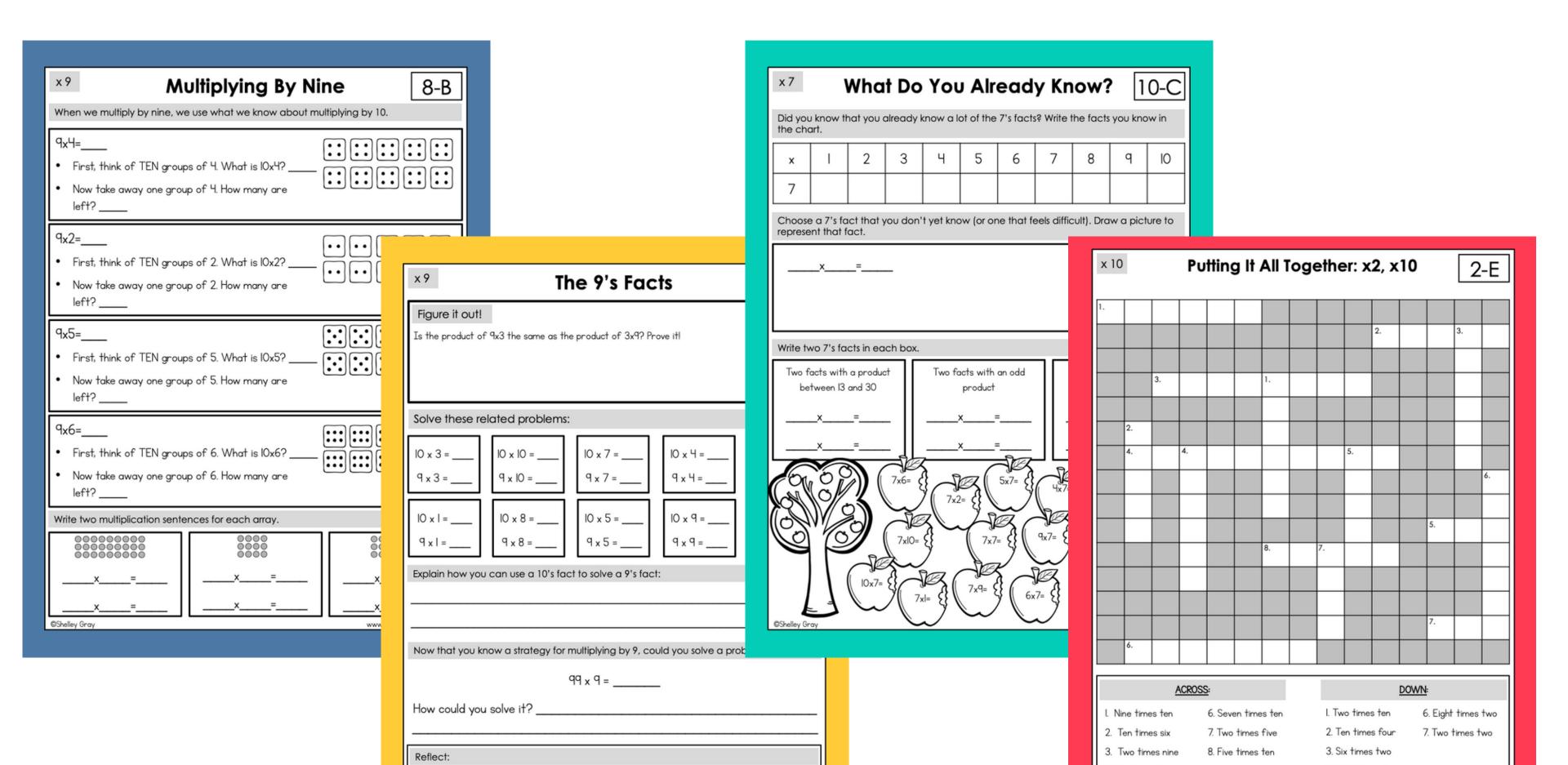
This kit is wonderful. I have a group of 6th graders who are all over the place in their multiplication learning, many of which do not have basic fact fluency. This resource filled in so many missing strategies. And because multiplication in general is not a new concept for them, they were able to be quite independent as they moved through the levels and gained strategies. I saw great improvement in fluency, efficiency and confidence. I wholeheartedly recommend this resource for anyone with students struggling with their multiplication math facts.

Materials

The Multiplication Station is an **extensive resource**. Here is a quick rundown of what you can expect to find:

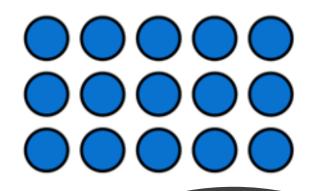
- There are twelve levels in all. Each level focuses on a different set of facts. For example, in Level One students will master the x2 facts. In Level Two they will work with the 10's facts.
- In each level, the strategies are slowly built upon and integrated with previous strategies and facts.
- The strategies that are included are not "tricks" that only work with certain facts. They are true mental math strategies that will enable students to solve any problem.
- Hands-on activities are included after every few levels. These are typically activities that incorporate subitizing or reflection.

More Samples So You Know EXACTLY What To Expect



ARRAY

An array is an arrangement of objects in rows and columns.



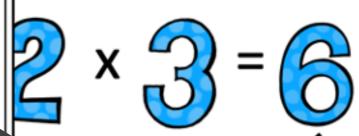
This array shows 3 groups

5 or 5 gr ps

It is outstanding! **So** many connections made for students who really weren't enjoying math. I can't wait for next year!

RODUCT CTOR R is the number

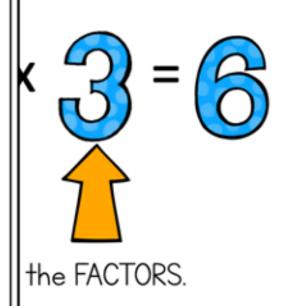
PRODUCT is the answer to a multiplication problem.





This is the product.

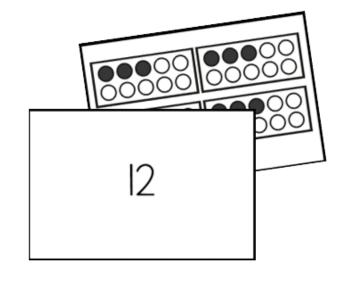
g multiplied.

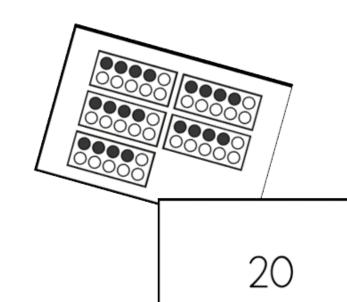


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PLUS

- Classroom reference posters
- Hands on activities
- Parent Support Resources
- AND MORE!









Still not sure?

Be sure to read through the thousands of TpT reviews from teachers just like you to see if this program is the right fit.

This is THE most amazing way to help my kiddos review multiplication facts! They enjoy working on the packets and it's been so meticulously organized! Absolutely **INCREDIBLE!**