

THE GRADE FOUR

Addition

STATION

A *self-paced, student-centered, strategic*
program for mental math
addition strategies and facts



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Basic addition facts are a real issue. There is SO much that we need to teach, and sometimes the most important basics (like basic operations) get left behind. In upper grades, addition might not be as prominent in the curriculum, but it still NEEDS to be taught. I truly believe that if we expect that students are masters at addition and neglect to teach the strategies, we are doing our students a disservice that will affect them throughout their life.

After communicating with hundreds of teachers, I've heard a few of the same major concerns over and over and over again. I bet that you can relate to at least one of these:

"I have trouble teaching to all the different levels in my classroom. I have students at all different ability levels and I just can't find an efficient way to teach to all of them."

"I can't seem to find the time to keep teaching and practicing basic facts throughout the year. I need to focus on multiplication and division, but many students still don't possess effective addition strategies."

"My students struggle with basic fact recall, no matter how much time I spend teaching them. Their lack of number sense understanding really makes it difficult to teach addition."

"My students are struggling with moving from concrete representations to mental computation. Some students are still finger counting! How can I move them past this?!"

I can help you.

In 2012 I released the popular [Multiplication Station](#), something that I had developed and used since my very first year teaching. After its release, I had literally hundreds of requests for an Addition version that implemented the same engaging, student-centered approach.

I am very excited to introduce you to The Addition Station.

The Addition Station integrates simple principles of *student engagement* including power, fun and choice. These basic principles will *engage*, *motivate*, and *ensure success* for all learners in your classroom.

Do you want to implement more mental math strategies into your classroom, but don't know where to start? Do you already teach mental math, but want to work more strategically to target your students more effectively? This is going to be the solution that you have been looking for.

So, how does it work?

Well, it's really quite simple. Students work through a series of addition 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. If he knows his strategies/facts, he moves to the next level. If not, he simply practices a bit more until he feels ready. There are no negative consequences.

This process is entirely student-run. It is a beautiful thing to sit back and watch your students *"running the show."* After the first week of this program, you will notice your role switching from that of teacher to that of facilitator.

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

Add to that an effective order of teaching the strategies that really makes practical sense, and you will have students who feel *smart, successful* and *engaged*. It's just that simple. Your students are going to love this.



You are going to be noticing some pretty big changes within your math instruction once you start using this resource:

- ✓ Your teaching will become more effective, as you teach in a practical order where the easiest strategies and facts are learned first.
- ✓ Your teaching will become strategic. Finally! An organized, effective way to focus on mental math strategies. The work is done for you.
- ✓ The amount of marking that you have to do will decrease, as students are responsible for their own assessment. (Of course you'll be doing observational assessment throughout, but you will be doing NO marking.)
- ✓ Once you prepare the Addition Station, it can be used for at least a couple of months – that's one less center that you need to worry about!
- ✓ Your students will become reflective as they develop metacognition.
- ✓ Your students will become motivated mathematicians. Finally, they can all work to a level that is appropriate for themselves.
- ✓ Your students will experience success on a regular basis, as a result of working to a level that is appropriate.
- ✓ Your math class will become student-centered. Your students are truly in control of their own learning.

This resource includes:

- ✓ **strategic, progressive** addition activities for each set of facts; each strategy is first isolated and then integrated with previous strategies to result in maximum understanding and mastery
- ✓ easy-to-understand instruction for each addition strategy
- ✓ answer keys
- ✓ an accompanying video to help you prepare and understand your Addition Station (I want to support you the best I can!)
- ✓ clear set-up instructions
- ✓ parent resources and home practice charts
- ✓ classroom posters
- ✓ student and teacher assessment trackers
- ✓ Addition Passports

Even if you don't want to do this self-paced program as it is presented, these resources will be invaluable to your math instruction.

Below is a small sample of the types of activities that are included (please note that there may be small differences based on the grade level of Addition Station that you purchase). With this download you will also receive a wide variety of other activities, including parent support resources, assessment trackers, and center/station activities.

Teacher support is very important to me and I do everything possible to guide you through the process of creating your own Addition Station. Within the document you will find checklists, set-up guides, as well as a support video to guide you through the set-up process.

SUM

A SUM is the answer in an addition equation.

$$6 + 2 = 8$$

ADDEND

The ADDENDS are the numbers being added.

$$6 + 2 = 8$$

These are the ADDENDS.

MISSING ADDENDS 11-C

Using Friendly Numbers to Add Multi-Digit Numbers 12-B

Putting It ALL Together 16-D

MAKE IT EASIER WITH FRIENDLY NUMBERS 16-C

Putting It All Together ADDITION GRID 15-E

BREAK IT UP! 14-A

Putting It ALL Together 16-D

Putting It ALL Together 14-C

Let's Practice Left-to-Right Addition 13-F

Putting It All Together Bubble Gum Addition 5-E

Add It Up! 10-B

Extending Plus Two Facts 11-A

Adding 1000's 11-A

Graph It! 9-E



Comparisons

If you would like to purchase The Addition Station, but are unsure which version would best suit your classroom, please use the chart below to see what each version includes.

| Strategies that are included: | Grade 3 Addition Station | Grade 4 Addition Station | Grade 3-4 Combo Pack (includes both Grades 3 and 4 versions) *BEST VALUE* |
|---------------------------------|--|---|--|
| Plus 0 | ✓ (sums to 999) | ✓ (sums to 9999) | ✓ |
| Plus 1 | ✓ (sums to 999) | ✓ (sums to 9999) | ✓ |
| Plus 2 | ✓ (sums to 999) | ✓ (sums to 9999) | ✓ |
| Plus 3 | ✓ (sums to 999) | ✓ (sums to 9999) | ✓ |
| Doubles | ✓ (to 12+12; extended to 10's and 100's ex. 4+4 > 40+40 > 400+400) | ✓ (to 12+12; extended to 10's, 100's, and 1000's ex. 4+4 > 40+40 > 400+400 > 4000+4000) | ✓ |
| Doubles +1 | ✓ (to 12+13; extended to 10's and 100's ex. 4+5 > 40+50 > 400+500) | ✓ (to 12+13; extended to 10's, 100's, and 1000's ex. 4+5 > 40+50 > 400+500 > 4000+5000) | ✓ |
| Doubles +2 | ✓ (to 12+14; extended to 10's and 100's ex. 3+5 > 30+50 > 300+500) | ✓ (to 12+14; extended to 10's, 100's, and 1000's ex. 3+5 > 30+50 > 300+500 > 3000+5000) | ✓ |
| Making 10 | ✓ | ✓ | ✓ |
| Making 100 | ✓ | ✓ | ✓ |
| Making 1000 | | ✓ | ✓ |
| Plus 10 | ✓ (sums to 999) | ✓ (sums to 9999) | ✓ |
| Adding 10 and Multiples of 10 | | ✓ (sums to 9999) | ✓ |
| Plus 100 | ✓ (sums to 999) | ✓ (sums to 9999) | ✓ |
| Adding 100 and Multiples of 100 | | ✓ (sums to 9999) | ✓ |
| Plus 9 | ✓ | ✓ | ✓ |
| Plus 8 | ✓ | ✓ | ✓ |
| Plus 7 | | ✓ | ✓ |

Comparisons, continued

| Strategies that are included: | Grade 3 Addition Station | Grade 4 Addition Station | Grade 3-4 Combo Pack (includes both Grades 3 and 4 versions) *BEST VALUE* |
|---------------------------------|--------------------------|-----------------------------|--|
| Plus 1000 and Multiples of 1000 | | ✓ (sums to 9999) | ✓ |
| Using Friendly Numbers | ✓ (2/3-digit + 1-digit) | ✓ (3/4-digit + 1-digit) | ✓ |
| Left-to-Right Addition | ✓ (sums to 999) | ✓ (sums to 9999) | ✓ |
| Break Up the Second Number | ✓ (2-digit + 2-digit) | ✓ (3-digit + 3-digit) | ✓ |
| Compensation | | ✓ | ✓ |
| Finding Compatible Numbers | | ✓ (addition with 3 addends) | ✓ |

If you are interested in a Grade 1 or Grade 2 version of The Addition Station, please visit the link below:

<https://www.teacherspayteachers.com/Product/The-Addition-Station-Grade-1-2-Combo-Pack-1781356>

Teaching multiplication? See The Multiplication Station here:

<https://www.teacherspayteachers.com/Product/The-Multiplication-Station-A-Self-Paced-Program-for-Basic-Multiplication-Facts-198216>