

THE

Addition

STATION

A *self-paced, strategic* program for the basic addition facts, using mental math strategies



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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. 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 practicing basic facts throughout the year. Once we move on to other areas of the curriculum (time, measurement, money, etc.), basic facts seem to get left behind. There is just SO much to cover in our curriculum."

"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, one-minute oral quiz. If he knows his facts/strategies, 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 facts and strategies 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.

Problem-Solving

Directions: Is buying clothes for the holidays. Together she needs 10 cases of flour. So far she has put 8 cases of flour into the bag. How many more cases of flour does she need to add?

Draw a picture. Write an equation.

There are 21 days in January and 28 days in February. How many days are in January and February altogether?

Equation Hunt

Add up any two numbers that are touching. Shade them in and write the equation (with the sum) in the box.

9	19	10	100	3	6	42	2	7	8
12	100	214	1	5	5	8	10	23	41
4	7	18	34	2	3	10	10	100	14
3	4	10	11	5	17	2	10	4	10
15	4	10	23	18	10	2	58	10	100

$12+18$
 $2+58=60$

Adding Nine to Bigger NUMBERS

10-F

Use the stars to solve the equations.

Illustration of a girl in a space suit.

Let's Add Ten!

9-F

Solve the equations. If the sum is EVEN, shade the box green. If the sum is ODD, shade the box blue.

87+10=	4+10=	3+10=	25+10=
90+10=	72+10=	7+10=	11+10=
23+10=	9+10=	18+10=	29+10=

EXPANDING

1000000

Examples: $100 + 100 = 200$, $1000 + 1000 = 2000$

PLUS TEN With a Place Value Chart

9-E

Tens	Ones
3	4

$34+10=$

11 means 1 ten and 1 one. When we add 10, we just add ONE MORE ten to the tens place.

Tens	Ones
2	5

$25+10=$

Tens	Ones
5	7

$57+10=$

Addition Mission

14-C

Complete the addition wheels.

25+3=	147=	5+5=	9+5=
8+9=	16+8=	7+8=	5+7=
18+10=	77+3=	80+10=	67+10=
35+100=	25+10=	94+12=	18+9=
174=	22+25=	10+10=	40+13=

Let's Learn the Doubles

5-A

Use the dice to solve the equations.

1 + 1 =	2 + 2 =
3 + 3 =	4 + 4 =
5 + 5 =	6 + 6 =
7 + 7 =	8 + 8 =
9 + 9 =	10 + 10 =

Doubles FUN

5-B

Solve the doubles equations. If the sum is less than 10, shade the circle yellow. If the sum is greater than 10, shade the circle red.

1+1=	2+2=	3+3=	4+4=
5+5=	6+6=	7+7=	8+8=
9+9=	10+10=	11+11=	12+12=

The Double... Plus Two More!

Example: $5+7=12$. Think: $5+5=10$ and 2 more makes 12.

$3+5=8$. Think: $3+3=6$ and 2 more makes 8.

$7+9=16$. Think: $7+7=14$ and 2 more makes 16.

Putting It All Together Plus Zero, Plus Ones, Plus Two

3-D

Use the apples to solve the equations.

10+0=	2+1=	10+1=	30+1=
1+1=	50+0=	13+2=	29+0=
7+1=	18+0=	7+1=	28+0=

One MORE

2-A

NUMBER	1 MORE	NUMBER	1 MORE
10	11	19	20
23	24	55	56
14	15	36	37
13	14	11	12
55	56	75	76
1	2	99	100
3	4	11	12

When you add 1, the sum is always ONE MORE than that number.

$25+1=$ 1 more than 25. $58+1=$ 1 more than 58.

$14+1=$ 1 more than 14. $30+1=$ 1 more than 30.

$6+1=$ 1 more than 6. $29+1=$ 1 more than 29.

The Property of

When you add 0 to a number, the sum is the same as the number.

$10+0=10$, $6+0=6$, $2+0=2$, $7+0=7$, $3+0=3$, $8+0=8$, $4+0=4$, $9+0=9$, $5+0=5$, $10+0=10$.

What do you notice about the sums?



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 1 Addition Station	Grade 2 Addition Station	Grade 1-2 Combo Pack (includes both Grades 1 and 2 versions) *BEST VALUE*
Plus 0	✓ (sums to 20)	✓ (sums to 100)	✓
Plus 1	✓ (sums to 20)	✓ (sums to 100)	✓
Plus 2	✓ (sums to 20)	✓ (sums to 100)	✓
Counting On	✓ (sums to 20)	✓ (sums to 100)	✓
Doubles	✓ (sums to 24)	✓ (sums to 24)	✓
Doubles +1	✓ (sums to 21)	✓ (sums to 21)	✓
Doubles +2	✓ (sums to 22)	✓ (sums to 22)	✓
Making 10	✓	✓	✓
Making 20 (Extra Challenge Section)		✓	✓
Plus 10	✓ (sums to 20)	✓ (sums to 100)	✓
Plus 9	✓ (sums to 20)	✓ (sums to 100)	✓
Plus 8	✓ (sums to 20)	✓ (sums to 100)	✓
Plus 100		✓ (sums to 1000)	✓
Left-to-Right Addition		✓ (sums to 100; no regrouping)	✓