# Intervention Protocol

**Classwide Fact Families: Add/Subtract 0-20**

Student: _____

Grade: _____

Teacher: _____

Class name:

Date: 8/12/2019

## Classwide Math Intervention

**Preparation:**

- This is your master set of materials for the week.
- Make 1.5 copies of the practice sheets Day 1-5 for each student in your class (ex. if you have 20 students make 30 copies). Each student will have one copy for independent practice, while each pair of students will have one copy for paired practice.
- If you are using flashcards to practice, you can make only 1 copy per student.
- To set up your student pairs click on "Students" in your dashboard, then "Suggested Student Pairs."
- Identify the first "Worker," which should be the higher-performing student. This student will always work first.

☐ Say, **It's time for Spring Math. Please get together with your math partner. Please take out your practice materials, have your colored pen and pencil out, and show me you are ready.**

☐ Say, **Workers, your job is to work as many problems correctly as you can. As you work, be sure to talk through the problem so your partner can HEAR and SEE you solve the problem. Use a quiet voice while you work.**

☐ Say, **Helpers, your job is to follow along, listen and watch as the worker is working problems. If you see an error, speak up! Say, "Stop, Let's check this one." You should give the worker a hint, point to the exact error, but don't give them the answer. See if the worker can fix the error. If the worker is stuck, give the answer but solve it aloud so the worker knows how you got that answer. If you get really stuck, circle the problem and ask me for help.**

☐ Set the timer for 3 minutes.

☐ Say, **Remember, your goal is to work as many problems as possible with 100% accuracy. Ready? Begin!** Start the timer when you say Begin.

If using practice sheets, the first student will begin working on the problems, left to right, reading and working the problem out loud with the help of the peer buddy. If using flashcards, the first student will begin presenting flashcards to the second student.

☐ Walk around the room and monitor students to ensure they are actively engaged in their roles.

☐ When the timer rings, say, **Stop practicing and switch roles. Pass the paper to your partner. They will start working where you left off.**

☐ Set the timer for 3 minutes. Say, **Remember, good workers have their eyes on their work, work quickly, counting and solving problems. Good helpers have their eyes on the work, follow along to catch any errors, and help the worker get the right answers. Ready? Begin!** Start the timer when you say Begin.

☐ While walking around the room this time, pass out the independent practice sheet upside down.

☐ When the timer rings, say, **It's time for independent practice. Please put practice sheets away and show me you're ready by putting your name on the back of your paper and then eyes on me.**

☐ Have a motivator piece unique to your class. Ideas: The mastery # of that skill could be your magic number that students circle ahead of time or have a special chant to pump up your class.

☐ Say, **Remember your score from last time. Your goal today is to beat your score! Remember, your brain is like a muscle. You just worked your math muscle. Now let's see how much stronger you are getting!**

☐ Set the timer for 2 minutes and say, **Start on the first problem, work from left to right, and try to work every problem. If you don't know an answer, make your best guess and move on. Ready? Begin!** Start the timer.

☐ Walk around the room and monitor. Encourage students to keep working where needed.

☐ After the timer rings, say, **Stop, put your pencils down and hold your paper in the air.** Make sure all students have stopped working.

☐ Say, **Trade papers with your partner. Take out a correcting pen and show me you are ready. As I read the problem aloud, we will all say the answer aloud together. If your partner got it incorrect, put a slash through the entire answer. When your partner has no more answers on the paper, begin writing the answers to the problems using your scoring pen.**

☐ Briskly read each problem while the whole class reads the answers aloud. Have the answer key displayed for the class using a projector or document camera.

☐ Set the timer for 1 minute. Say, **Get your own paper back and find the errors that have been marked for you. Correct your errors while explaining in a quiet voice out loud how you fixed them. If you do not have any errors, review the problems that have been answered for you, and then create your own problems just like the ones we are working on.**

☐ After the timer rings, say, **Now record your score on your daily progress chart.** (Progress Charts can be found under Support - Resources - Progress Tracking Sheets Grades 1-8).

☐ Collect the papers and shuffle them. Randomly draw a paper and without saying the name, if the score is higher than the randomly selected score from the day before (or last week's class median", then deliver a class reward (e.g., 5 extra minutes of recess or other small reward). Celebrate students who have beaten their score from the day before also!

☐ Enter scores on Day 5 in your Spring Math dashboard. If a student is absent, you may enter their most recent score from the same week. The graph will update automatically and you can show the class their progress as a whole.

Teacher: _____
Grade: _____
Student: _____

# Day 1 - Fact Families: Add/Subtract 0-20
Date: 08/12/2019   (version: 1e40)

| | | | | |
|---|---|---|---|---|
| $\begin{array}{r} 14 \\ -\ \square \\ \hline 5 \end{array}$ | $\begin{array}{r} 19 \\ -\ 2 \\ \hline \end{array}$ | $\begin{array}{r} \square \\ +\ 0 \\ \hline 16 \end{array}$ | $\begin{array}{r} 12 \\ -\ \square \\ \hline 11 \end{array}$ | $\begin{array}{r} \square \\ +\ 9 \\ \hline 9 \end{array}$ ( )/5 |
| $\begin{array}{r} 18 \\ +\ 1 \\ \hline \end{array}$ | $\begin{array}{r} \square \\ -\ 10 \\ \hline 2 \end{array}$ | $\begin{array}{r} 3 \\ -\ \square \\ \hline 3 \end{array}$ | $\begin{array}{r} 6 \\ +\ 11 \\ \hline \end{array}$ | $\begin{array}{r} 17 \\ -\ 15 \\ \hline \end{array}$ ( )/10 |
| $\begin{array}{r} \square \\ +\ 13 \\ \hline 18 \end{array}$ | $\begin{array}{r} 7 \\ +\ \square \\ \hline 12 \end{array}$ | $\begin{array}{r} 8 \\ +\ 4 \\ \hline \end{array}$ | $\begin{array}{r} \square \\ -\ 11 \\ \hline 0 \end{array}$ | $\begin{array}{r} 13 \\ -\ \square \\ \hline 6 \end{array}$ ( )/15 |
| $\begin{array}{r} 16 \\ +\ \square \\ \hline 20 \end{array}$ | $\begin{array}{r} 4 \\ -\ 0 \\ \hline \end{array}$ | $\begin{array}{r} \square \\ +\ 2 \\ \hline 19 \end{array}$ | $\begin{array}{r} 8 \\ +\ 10 \\ \hline \end{array}$ | $\begin{array}{r} \square \\ -\ 10 \\ \hline 0 \end{array}$ ( )/20 |
| $\begin{array}{r} 7 \\ +\ \square \\ \hline 19 \end{array}$ | $\begin{array}{r} 9 \\ -\ \square \\ \hline 5 \end{array}$ | $\begin{array}{r} 20 \\ -\ 0 \\ \hline \end{array}$ | $\begin{array}{r} \square \\ +\ 1 \\ \hline 16 \end{array}$ | $\begin{array}{r} 12 \\ +\ \square \\ \hline 15 \end{array}$ ( )/25 |
| $\begin{array}{r} \square \\ -\ 0 \\ \hline 0 \end{array}$ | $\begin{array}{r} 2 \\ +\ 13 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ -\ \square \\ \hline 4 \end{array}$ | $\begin{array}{r} 10 \\ -\ 1 \\ \hline \end{array}$ | $\begin{array}{r} \square \\ +\ 0 \\ \hline 5 \end{array}$ ( )/30 |
| $\begin{array}{r} \square \\ -\ 8 \\ \hline 12 \end{array}$ | $\begin{array}{r} 7 \\ +\ \square \\ \hline 13 \end{array}$ | $\begin{array}{r} 16 \\ +\ 2 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ -\ 2 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ +\ \square \\ \hline 14 \end{array}$ ( )/35 |

Total problems correct:_____

# Day 1 - Fact Families: Add/Subtract 0-20

Date: 08/12/2019   (version: 1e40)

Teacher: _____

Grade: _____

Student: _____

| | | | | |
|---|---|---|---|---|
| ☐ <br> + 1 <br> 20 | 15 <br> + ☐ <br> 17 | ☐ <br> + 12 <br> 20 | 18 <br> + 0 | 14 <br> + ☐ <br> 16 |
| 13 <br> - 6 | ☐ <br> - 13 <br> 6 | 8 <br> - ☐ <br> 3 | ☐ <br> - 2 <br> 13 | 17 <br> - 7 |
| 20 <br> - ☐ <br> 7 | ☐ <br> + 7 <br> 16 | 17 <br> + 0 | 1 <br> + ☐ <br> 17 | ☐ <br> + 3 <br> 13 |
| 11 <br> - 4 | 6 <br> + ☐ <br> 15 | 12 <br> - 12 | ☐ <br> - 12 <br> 1 | 2 <br> - ☐ <br> 1 |
| 11 <br> + 6 | ☐ <br> + 15 <br> 20 | ☐ <br> - 7 <br> 1 | 18 <br> - 11 | 12 <br> + ☐ <br> 17 |
| 17 <br> + 1 | 17 <br> - ☐ <br> 17 | ☐ <br> + 9 <br> 11 | ☐ <br> - 14 <br> 2 | 19 <br> - 16 |
| 2 <br> - ☐ <br> 2 | 16 <br> + 1 | 5 <br> - ☐ <br> 4 | ☐ <br> - 11 <br> 3 | ☐ <br> - 8 <br> 2 |

( )/40

( )/45

( )/50

( )/55

( )/60

( )/65

( )/70

Total problems correct:_____

Teacher: _____

Grade: _____

Student: _____

# Day 2 - Fact Families: Add/Subtract 0-20

Date: 08/12/2019   (version: bd99)

| | | | | | |
|---|---|---|---|---|---|
| $5 + \square = 6$ | $9 + 9$ | $\square + 0 = 18$ | $\square - 2 = 0$ | $4 + \square = 10$ | ( )/5 |
| $11 + 9$ | $10 - \square = 6$ | $\square + 7 = 20$ | $12 + 3$ | $12 - 3$ | ( )/10 |
| $\square + 1 = 3$ | $11 - \square = 7$ | $13 + \square = 15$ | $\square + 1 = 19$ | $14 - 9$ | ( )/15 |
| $4 + 7$ | $8 - \square = 4$ | $\square - 0 = 5$ | $6 + 10$ | $\square - 1 = 8$ | ( )/20 |
| $10 + \square = 19$ | $\square - 0 = 2$ | $3 - 1$ | $20 + \square = 20$ | $4 + 13$ | ( )/25 |
| $17 - \square = 16$ | $\square + 4 = 19$ | $\square - 8 = 2$ | $18 - \square = 13$ | $19 + 0$ | ( )/30 |
| $\square + 7 = 7$ | $8 + 3$ | $18 - \square = 16$ | $\square + 9 = 14$ | $20 - 8$ | ( )/35 |

Total problems correct:_____

# Day 2 - Fact Families: Add/Subtract 0-20

Date: 08/12/2019   (version: bd99)

Teacher: _____
Grade: _____
Student: _____

| | | | | |
|---|---|---|---|---|
| 8<br>+ ☐<br>13 | 13<br>+ 0 | 11<br>+ ☐<br>16 | ☐<br>+ 0<br>16 | ☐<br>+ 15<br>17 |
| 20<br>- ☐<br>10 | 4<br>- 0 | ☐<br>- 8<br>6 | 4<br>- ☐<br>2 | 16<br>- 12 |
| 5<br>- 5 | 15<br>- ☐<br>12 | ☐<br>- 0<br>14 | 15<br>+ 1 | ☐<br>+ 0<br>15 |
| 11<br>+ ☐<br>12 | ☐<br>- 10<br>1 | 11<br>- ☐<br>9 | 18<br>- 16 | 4<br>- 3 |
| 20<br>- ☐<br>9 | ☐<br>- 5<br>3 | 18<br>- 10 | 4<br>- ☐<br>0 | ☐<br>- 5<br>4 |
| 8<br>- 2 | 0<br>+ ☐<br>18 | ☐<br>- 2<br>1 | 20<br>- 7 | ☐<br>- 7<br>11 |
| 5<br>+ ☐<br>18 | 12<br>+ ☐<br>19 | ☐<br>+ 1<br>20 | 17<br>+ 2 | 7<br>+ 12 |

( )/40
( )/45
( )/50
( )/55
( )/60
( )/65
( )/70

Total problems correct:_____

# Day 3 - Fact Families: Add/Subtract 0-20

Date: 08/12/2019    (version: 8579)

| | | | | | |
|---|---|---|---|---|---|
| $\boxed{\phantom{0}}$ <br> $-\ 13$ <br> $2$ | $0$ <br> $+\ \boxed{\phantom{0}}$ <br> $13$ | $18$ <br> $+\ \ 0$ <br> | $18$ <br> $-\ \boxed{\phantom{0}}$ <br> $2$ | $\boxed{\phantom{0}}$ <br> $+\ \ 2$ <br> $8$ | ( )/5 |
| $11$ <br> $+\ \ 4$ <br> | $\boxed{\phantom{0}}$ <br> $+\ \ 1$ <br> $9$ | $8$ <br> $+\ 6$ <br> | $14$ <br> $-\ \boxed{\phantom{0}}$ <br> $14$ | $16$ <br> $+\ \boxed{\phantom{0}}$ <br> $16$ | ( )/10 |
| $16$ <br> $-\ \ 0$ <br> | $\boxed{\phantom{0}}$ <br> $-\ \ 1$ <br> $1$ | $\boxed{\phantom{0}}$ <br> $-\ 15$ <br> $4$ | $7$ <br> $+\ \boxed{\phantom{0}}$ <br> $13$ | $9$ <br> $+\ 9$ <br> | ( )/15 |
| $\boxed{\phantom{0}}$ <br> $+\ \ \ 5$ <br> $8$ | $18$ <br> $+\ \boxed{\phantom{0}}$ <br> $19$ | $17$ <br> $+\ \ 2$ <br> | $\boxed{\phantom{0}}$ <br> $-\ \ 3$ <br> $17$ | $13$ <br> $+\ \boxed{\phantom{0}}$ <br> $18$ | ( )/20 |
| $12$ <br> $+\ \ 7$ <br> | $12$ <br> $+\ \boxed{\phantom{0}}$ <br> $17$ | $\boxed{\phantom{0}}$ <br> $-\ \ 1$ <br> $0$ | $5$ <br> $-\ 1$ <br> | $\boxed{\phantom{0}}$ <br> $-\ \ 3$ <br> $4$ | ( )/25 |
| $7$ <br> $-\ \boxed{\phantom{0}}$ <br> $3$ | $5$ <br> $+\ 15$ <br> | $\boxed{\phantom{0}}$ <br> $+\ 11$ <br> $16$ | $19$ <br> $-\ \boxed{\phantom{0}}$ <br> $16$ | $13$ <br> $-\ \ 9$ <br> | ( )/30 |
| $\boxed{\phantom{0}}$ <br> $-\ \ 6$ <br> $6$ | $10$ <br> $-\ \boxed{\phantom{0}}$ <br> $6$ | $14$ <br> $-\ 14$ <br> | $\boxed{\phantom{0}}$ <br> $+\ \ 2$ <br> $15$ | $10$ <br> $+\ \boxed{\phantom{0}}$ <br> $17$ | ( )/35 |

Total problems correct:_____

# Day 3 - Fact Families: Add/Subtract 0-20

Date: 08/12/2019   (version: 8579)

Teacher: _____
Grade: _____
Student: _____

| | | | | |
|---|---|---|---|---|
| 12<br>- 7 | 9<br>+ □<br>9 | □<br>- 0<br>6 | 17<br>- 5 | 8<br>- 4 | ( )/40 |
| □<br>+ 4<br>17 | 5<br>- □<br>2 | 8<br>+ □<br>11 | 3<br>- 0 | □<br>+ 0<br>12 | ( )/45 |
| 20<br>- □<br>13 | □<br>- 0<br>17 | 1<br>- 0 | 9<br>- □<br>0 | 5<br>+ 8 | ( )/50 |
| □<br>+ 0<br>20 | □<br>+ 7<br>7 | 5<br>+ □<br>9 | 6<br>- 4 | 6<br>+ 4 | ( )/55 |
| □<br>- 4<br>15 | 0<br>- □<br>0 | □<br>+ 2<br>14 | 11<br>- 5 | 14<br>+ □<br>15 | ( )/60 |
| 0<br>+ 4 | □<br>- 4<br>10 | 16<br>+ □<br>17 | □<br>+ 5<br>15 | 19<br>+ 1 | ( )/65 |
| 20<br>- □<br>8 | 6<br>+ □<br>11 | □<br>+ 4<br>14 | 2<br>+ 16 | □<br>+ 4<br>8 | ( )/70 |

Total problems correct:_____

# Day 4 - Fact Families: Add/Subtract 0-20

Date: 08/12/2019   (version: 15a7)

| | | | | | |
|---|---|---|---|---|---|
| ☐ + 3 = 16 | 5 + ☐ = 16 | 3 - 1 = ☐ | ☐ - 3 = 7 | 9 + 1 = ☐ | ( )/5 |
| 2 + ☐ = 8 | 12 + ☐ = 13 | ☐ + 11 = 12 | 17 - 3 = ☐ | 10 + 3 = ☐ | ( )/10 |
| ☐ + 0 = 19 | 8 - ☐ = 6 | 0 + 12 = ☐ | ☐ + 14 = 18 | 3 + ☐ = 5 | ( )/15 |
| 6 - 5 = ☐ | 0 - ☐ = 0 | ☐ + 6 = 12 | 10 - 0 = ☐ | 12 + ☐ = 17 | ( )/20 |
| ☐ - 2 = 3 | 4 + ☐ = 4 | 19 - 12 = ☐ | ☐ - 1 = 6 | ☐ - 9 = 1 | ( )/25 |
| 15 + ☐ = 19 | 1 + 19 = ☐ | ☐ + 6 = 15 | 13 - 6 = ☐ | 17 - ☐ = 9 | ( )/30 |
| ☐ + 7 = 10 | 2 + ☐ = 20 | 13 + 4 = ☐ | 1 + 6 = ☐ | 2 - ☐ = 1 | ( )/35 |

Total problems correct:_____

Teacher: _____
Grade: _____
Student: _____

# Day 4 - Fact Families: Add/Subtract 0-20

Date: 08/12/2019   (version: 15a7)

| | | | | |
|---|---|---|---|---|
| ☐ <br> + 8 <br> 15 | 5 <br> - ☐ <br> 4 | ☐ <br> + 0 <br> 17 | 13 <br> + 1 | 11 <br> + 6 | ( )/40 |
| 12 <br> - ☐ <br> 7 | ☐ <br> + 10 <br> 16 | 7 <br> - 5 | ☐ <br> - 8 <br> 10 | 15 <br> - ☐ <br> 7 | ( )/45 |
| ☐ <br> - 0 <br> 1 | 11 <br> - ☐ <br> 1 | 3 <br> - 3 | ☐ <br> - 1 <br> 9 | 10 <br> + ☐ <br> 15 | ( )/50 |
| 16 <br> - 7 | 17 <br> + 1 | ☐ <br> - 6 <br> 5 | 2 <br> + ☐ <br> 13 | ☐ <br> + 1 <br> 19 | ( )/55 |
| 11 <br> + 8 | 2 <br> + ☐ <br> 9 | 19 <br> - 16 | ☐ <br> + 0 <br> 20 | 16 <br> - ☐ <br> 10 | ( )/60 |
| ☐ <br> - 3 <br> 4 | 18 <br> + 2 | 9 <br> - ☐ <br> 4 | 16 <br> - ☐ <br> 6 | 6 <br> - 3 | ( )/65 |
| ☐ <br> + 11 <br> 18 | 14 <br> + ☐ <br> 20 | ☐ <br> - 7 <br> 1 | 8 <br> + 5 | ☐ <br> - 8 <br> 3 | ( )/70 |

Total problems correct:_____

# Day 5 - Fact Families: Add/Subtract 0-20
Date: 08/12/2019   (version: e0a1)

|  |  |  |  |  |  |
|---|---|---|---|---|---|
| $\begin{array}{r} 2 \\ +11 \\ \hline \end{array}$ | $\begin{array}{r} 12 \\ -\ \square \\ \hline 4 \end{array}$ | $\begin{array}{r} \square \\ +\ 8 \\ \hline 19 \end{array}$ | $\begin{array}{r} \square \\ +\ 7 \\ \hline 7 \end{array}$ | $\begin{array}{r} 12 \\ +\ 7 \\ \hline \end{array}$ | (  )/5 |
| $\begin{array}{r} 1 \\ +\ \square \\ \hline 11 \end{array}$ | $\begin{array}{r} \square \\ +\ 7 \\ \hline 10 \end{array}$ | $\begin{array}{r} 15 \\ -\ \square \\ \hline 14 \end{array}$ | $\begin{array}{r} 17 \\ -\ 0 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ -\ 1 \\ \hline \end{array}$ | (  )/10 |
| $\begin{array}{r} 10 \\ +\ \square \\ \hline 19 \end{array}$ | $\begin{array}{r} \square \\ -\ 0 \\ \hline 4 \end{array}$ | $\begin{array}{r} \square \\ -\ 5 \\ \hline 2 \end{array}$ | $\begin{array}{r} 4 \\ +\ \square \\ \hline 7 \end{array}$ | $\begin{array}{r} 6 \\ -\ 6 \\ \hline \end{array}$ | (  )/15 |
| $\begin{array}{r} 2 \\ -\ \square \\ \hline 0 \end{array}$ | $\begin{array}{r} 8 \\ +\ 3 \\ \hline \end{array}$ | $\begin{array}{r} \square \\ +\ 0 \\ \hline 20 \end{array}$ | $\begin{array}{r} 18 \\ +\ \square \\ \hline 19 \end{array}$ | $\begin{array}{r} \square \\ +\ 5 \\ \hline 17 \end{array}$ | (  )/20 |
| $\begin{array}{r} 3 \\ +12 \\ \hline \end{array}$ | $\begin{array}{r} \square \\ -\ 5 \\ \hline 9 \end{array}$ | $\begin{array}{r} 13 \\ +\ 2 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ +\ \square \\ \hline 15 \end{array}$ | $\begin{array}{r} 7 \\ -\ \square \\ \hline 6 \end{array}$ | (  )/25 |
| $\begin{array}{r} 19 \\ +\ 1 \\ \hline \end{array}$ | $\begin{array}{r} \square \\ -\ 7 \\ \hline 9 \end{array}$ | $\begin{array}{r} 16 \\ +\ 2 \\ \hline \end{array}$ | $\begin{array}{r} \square \\ -\ 2 \\ \hline 13 \end{array}$ | $\begin{array}{r} 15 \\ +\ \square \\ \hline 19 \end{array}$ | (  )/30 |
| $\begin{array}{r} 11 \\ -\ \square \\ \hline 8 \end{array}$ | $\begin{array}{r} \square \\ +\ 3 \\ \hline 17 \end{array}$ | $\begin{array}{r} 15 \\ +\ 5 \\ \hline \end{array}$ | $\begin{array}{r} \square \\ +\ 3 \\ \hline 10 \end{array}$ | $\begin{array}{r} 10 \\ -\ 9 \\ \hline \end{array}$ | (  )/35 |

Total problems correct:_____

Teacher: _____
Grade: _____
Student: _____

# Day 5 - Fact Families: Add/Subtract 0-20

Date: 08/12/2019   (version: e0a1)

| | | | | |
|---|---|---|---|---|
| $4$<br>$-\ \square$<br>$\overline{3}$ | $\square$<br>$+\ \ 4$<br>$\overline{14}$ | $19$<br>$-\ \ 1$<br>$\overline{\phantom{0}}$ | $11$<br>$-\ \square$<br>$\overline{9}$ | $\square$<br>$-\ \ 1$<br>$\overline{2}$ | ( )/40 |
| $2$<br>$+\ \square$<br>$\overline{17}$ | $1$<br>$-\ \ 1$<br>$\overline{\phantom{0}}$ | $18$<br>$+\ \square$<br>$\overline{18}$ | $7$<br>$+\ \ 6$<br>$\overline{\phantom{0}}$ | $\square$<br>$+\ \ 4$<br>$\overline{5}$ | ( )/45 |
| $\square$<br>$-\ \ 1$<br>$\overline{16}$ | $13$<br>$-\ \ 5$<br>$\overline{\phantom{0}}$ | $0$<br>$-\ \square$<br>$\overline{0}$ | $11$<br>$+\ \ 7$<br>$\overline{\phantom{0}}$ | $\square$<br>$-\ \ 4$<br>$\overline{4}$ | ( )/50 |
| $11$<br>$+\ \square$<br>$\overline{16}$ | $\square$<br>$-\ \ 9$<br>$\overline{10}$ | $9$<br>$-\ \ 4$<br>$\overline{\phantom{0}}$ | $16$<br>$-\ \square$<br>$\overline{8}$ | $2$<br>$-\ \square$<br>$\overline{1}$ | ( )/55 |
| $\square$<br>$+\ \ 2$<br>$\overline{3}$ | $3$<br>$-\ \ 3$<br>$\overline{\phantom{0}}$ | $5$<br>$+\ \square$<br>$\overline{20}$ | $5$<br>$-\ \ 4$<br>$\overline{\phantom{0}}$ | $\square$<br>$-\ \ 11$<br>$\overline{2}$ | ( )/60 |
| $7$<br>$+\ \square$<br>$\overline{16}$ | $\square$<br>$-\ \ 5$<br>$\overline{0}$ | $7$<br>$+\ \ 1$<br>$\overline{\phantom{0}}$ | $15$<br>$-\ \square$<br>$\overline{15}$ | $\square$<br>$-\ \ 8$<br>$\overline{1}$ | ( )/65 |
| $8$<br>$-\ \ 0$<br>$\overline{\phantom{0}}$ | $9$<br>$+\ \ 7$<br>$\overline{\phantom{0}}$ | $\square$<br>$+\ \ 0$<br>$\overline{19}$ | $14$<br>$-\ \square$<br>$\overline{0}$ | $\square$<br>$+\ \ 0$<br>$\overline{17}$ | ( )/70 |

Total problems correct:_____

| | | | | |
|---|---|---|---|---|
| 14 − 9 = 5 | 19 − 2 = 17 | 16 + 0 = 16 | 12 − 1 = 11 | 0 + 9 = 9 |
| 18 + 1 = 19 | 12 − 10 = 2 | 3 − 0 = 3 | 6 + 11 = 17 | 17 − 15 = 2 |
| 5 + 13 = 18 | 7 + 5 = 12 | 8 + 4 = 12 | 11 − 11 = 0 | 13 − 7 = 6 |
| 16 + 4 = 20 | 4 − 0 = 4 | 17 + 2 = 19 | 8 + 10 = 18 | 10 − 10 = 0 |
| 7 + 12 = 19 | 9 − 4 = 5 | 20 − 0 = 20 | 15 + 1 = 16 | 12 + 3 = 15 |
| 0 − 0 = 0 | 2 + 13 = 15 | 6 − 2 = 4 | 10 − 1 = 9 | 5 + 0 = 5 |
| 20 − 8 = 12 | 7 + 6 = 13 | 16 + 2 = 18 | 4 − 2 = 2 | 3 + 11 = 14 |

| | | | | |
|---|---|---|---|---|
| $\begin{array}{r} 19 \\ +\ 1 \\ \hline 20 \end{array}$ | $\begin{array}{r} 15 \\ +\ 2 \\ \hline 17 \end{array}$ | $\begin{array}{r} 8 \\ +12 \\ \hline 20 \end{array}$ | $\begin{array}{r} 18 \\ +\ 0 \\ \hline 18 \end{array}$ | $\begin{array}{r} 14 \\ +\ 2 \\ \hline 16 \end{array}$ |
| $\begin{array}{r} 13 \\ -\ 6 \\ \hline 7 \end{array}$ | $\begin{array}{r} 19 \\ -13 \\ \hline 6 \end{array}$ | $\begin{array}{r} 8 \\ -\ 5 \\ \hline 3 \end{array}$ | $\begin{array}{r} 15 \\ -\ 2 \\ \hline 13 \end{array}$ | $\begin{array}{r} 17 \\ -\ 7 \\ \hline 10 \end{array}$ |
| $\begin{array}{r} 20 \\ -13 \\ \hline 7 \end{array}$ | $\begin{array}{r} 9 \\ +\ 7 \\ \hline 16 \end{array}$ | $\begin{array}{r} 17 \\ +\ 0 \\ \hline 17 \end{array}$ | $\begin{array}{r} 1 \\ +16 \\ \hline 17 \end{array}$ | $\begin{array}{r} 10 \\ +\ 3 \\ \hline 13 \end{array}$ |
| $\begin{array}{r} 11 \\ -\ 4 \\ \hline 7 \end{array}$ | $\begin{array}{r} 6 \\ +\ 9 \\ \hline 15 \end{array}$ | $\begin{array}{r} 12 \\ -12 \\ \hline 0 \end{array}$ | $\begin{array}{r} 13 \\ -12 \\ \hline 1 \end{array}$ | $\begin{array}{r} 2 \\ -\ 1 \\ \hline 1 \end{array}$ |
| $\begin{array}{r} 11 \\ +\ 6 \\ \hline 17 \end{array}$ | $\begin{array}{r} 5 \\ +15 \\ \hline 20 \end{array}$ | $\begin{array}{r} 8 \\ -\ 7 \\ \hline 1 \end{array}$ | $\begin{array}{r} 18 \\ -11 \\ \hline 7 \end{array}$ | $\begin{array}{r} 12 \\ +\ 5 \\ \hline 17 \end{array}$ |
| $\begin{array}{r} 17 \\ +\ 1 \\ \hline 18 \end{array}$ | $\begin{array}{r} 17 \\ -\ 0 \\ \hline 17 \end{array}$ | $\begin{array}{r} 2 \\ +\ 9 \\ \hline 11 \end{array}$ | $\begin{array}{r} 16 \\ -14 \\ \hline 2 \end{array}$ | $\begin{array}{r} 19 \\ -16 \\ \hline 3 \end{array}$ |
| $\begin{array}{r} 2 \\ -\ 0 \\ \hline 2 \end{array}$ | $\begin{array}{r} 16 \\ +\ 1 \\ \hline 17 \end{array}$ | $\begin{array}{r} 5 \\ -\ 1 \\ \hline 4 \end{array}$ | $\begin{array}{r} 14 \\ -11 \\ \hline 3 \end{array}$ | $\begin{array}{r} 10 \\ -\ 8 \\ \hline 2 \end{array}$ |

| | | | | |
|---|---|---|---|---|
| 5<br>+ 1<br>——<br>6 | 9<br>+ 9<br>——<br>18 | 18<br>+ 0<br>——<br>18 | 2<br>- 2<br>——<br>0 | 4<br>+ 6<br>——<br>10 |
| 11<br>+ 9<br>——<br>20 | 10<br>- 4<br>——<br>6 | 13<br>+ 7<br>——<br>20 | 12<br>+ 3<br>——<br>15 | 12<br>- 3<br>——<br>9 |
| 2<br>+ 1<br>——<br>3 | 11<br>- 4<br>——<br>7 | 13<br>+ 2<br>——<br>15 | 18<br>+ 1<br>——<br>19 | 14<br>- 9<br>——<br>5 |
| 4<br>+ 7<br>——<br>11 | 8<br>- 4<br>——<br>4 | 5<br>- 0<br>——<br>5 | 6<br>+ 10<br>——<br>16 | 9<br>- 1<br>——<br>8 |
| 10<br>+ 9<br>——<br>19 | 2<br>- 0<br>——<br>2 | 3<br>- 1<br>——<br>2 | 20<br>+ 0<br>——<br>20 | 4<br>+ 13<br>——<br>17 |
| 17<br>- 1<br>——<br>16 | 15<br>+ 4<br>——<br>19 | 10<br>- 8<br>——<br>2 | 18<br>- 5<br>——<br>13 | 19<br>+ 0<br>——<br>19 |
| 0<br>+ 7<br>——<br>7 | 8<br>+ 3<br>——<br>11 | 18<br>- 2<br>——<br>16 | 5<br>+ 9<br>——<br>14 | 20<br>- 8<br>——<br>12 |

| | | | | |
|---|---|---|---|---|
| 8 <br> + *5* <br> 13 | 13 <br> + 0 <br> *13* | 11 <br> + *5* <br> 16 | *16* <br> + 0 <br> 16 | *2* <br> + 15 <br> 17 |
| 20 <br> - *10* <br> 10 | 4 <br> - 0 <br> *4* | *14* <br> - 8 <br> 6 | 4 <br> - *2* <br> 2 | 16 <br> - 12 <br> *4* |
| 5 <br> - 5 <br> *0* | 15 <br> - *3* <br> 12 | *14* <br> - 0 <br> 14 | 15 <br> + 1 <br> *16* | *15* <br> + 0 <br> 15 |
| 11 <br> + *1* <br> 12 | *11* <br> - 10 <br> 1 | 11 <br> - *2* <br> 9 | 18 <br> - 16 <br> *2* | 4 <br> - 3 <br> *1* |
| 20 <br> - *11* <br> 9 | *8* <br> - 5 <br> 3 | 18 <br> - 10 <br> *8* | 4 <br> - *4* <br> 0 | *9* <br> - 5 <br> 4 |
| 8 <br> - 2 <br> *6* | 0 <br> + *18* <br> 18 | *3* <br> - 2 <br> 1 | 20 <br> - 7 <br> *13* | *18* <br> - 7 <br> 11 |
| 5 <br> + *13* <br> 18 | 12 <br> + *7* <br> 19 | *19* <br> + 1 <br> 20 | 17 <br> + 2 <br> *19* | 7 <br> + 12 <br> *19* |

| | | | | |
|---|---|---|---|---|
| $15$ <br> $-13$ <br> $2$ | $0$ <br> $+13$ <br> $13$ | $18$ <br> $+\ 0$ <br> $18$ | $18$ <br> $-16$ <br> $2$ | $6$ <br> $+2$ <br> $8$ |
| $11$ <br> $+\ 4$ <br> $15$ | $8$ <br> $+1$ <br> $9$ | $8$ <br> $+6$ <br> $14$ | $14$ <br> $-\ 0$ <br> $14$ | $16$ <br> $+\ 0$ <br> $16$ |
| $16$ <br> $-\ 0$ <br> $16$ | $2$ <br> $-1$ <br> $1$ | $19$ <br> $-15$ <br> $4$ | $7$ <br> $+\ 6$ <br> $13$ | $9$ <br> $+9$ <br> $18$ |
| $3$ <br> $+5$ <br> $8$ | $18$ <br> $+\ 1$ <br> $19$ | $17$ <br> $+\ 2$ <br> $19$ | $20$ <br> $-\ 3$ <br> $17$ | $13$ <br> $+\ 5$ <br> $18$ |
| $12$ <br> $+\ 7$ <br> $19$ | $12$ <br> $+\ 5$ <br> $17$ | $1$ <br> $-1$ <br> $0$ | $5$ <br> $-1$ <br> $4$ | $7$ <br> $-3$ <br> $4$ |
| $7$ <br> $-4$ <br> $3$ | $5$ <br> $+15$ <br> $20$ | $5$ <br> $+11$ <br> $16$ | $19$ <br> $-\ 3$ <br> $16$ | $13$ <br> $-\ 9$ <br> $4$ |
| $12$ <br> $-\ 6$ <br> $6$ | $10$ <br> $-\ 4$ <br> $6$ | $14$ <br> $-14$ <br> $0$ | $13$ <br> $+\ 2$ <br> $15$ | $10$ <br> $+\ 7$ <br> $17$ |

| | | | | |
|---|---|---|---|---|
| 12 − 7 = *5* | 9 + *0* = 9 | *6* − 0 = 6 | 17 − 5 = *12* | 8 − 4 = *4* |
| *13* + 4 = 17 | 5 − *3* = 2 | 8 + *3* = 11 | 3 − 0 = *3* | *12* + 0 = 12 |
| 20 − *7* = 13 | *17* − 0 = 17 | 1 − 0 = *1* | 9 − *9* = 0 | 5 + 8 = *13* |
| *20* + 0 = 20 | *0* + 7 = 7 | 5 + *4* = 9 | 6 − 4 = *2* | 6 + 4 = *10* |
| *19* − 4 = 15 | 0 − *0* = 0 | *12* + 2 = 14 | 11 − 5 = *6* | 14 + *1* = 15 |
| 0 + 4 = *4* | *14* − 4 = 10 | 16 + *1* = 17 | *10* + 5 = 15 | 19 + 1 = *20* |
| 20 − *12* = 8 | 6 + *5* = 11 | *10* + 4 = 14 | 2 + 16 = *18* | *4* + 4 = 8 |

| | | | | |
|---|---|---|---|---|
| 13<br>+ 3<br>**16** | 5<br>+ 11<br>16 | 3<br>- 1<br>**2** | 10<br>- 3<br>7 | 9<br>+ 1<br>**10** |
| 2<br>+ 6<br>8 | 12<br>+ 1<br>13 | 1<br>+ 11<br>12 | 17<br>- 3<br>**14** | 10<br>+ 3<br>**13** |
| 19<br>+ 0<br>19 | 8<br>- 2<br>6 | 0<br>+ 12<br>**12** | 4<br>+ 14<br>18 | 3<br>+ 2<br>5 |
| 6<br>- 5<br>1 | 0<br>- 0<br>0 | 6<br>+ 6<br>12 | 10<br>- 0<br>**10** | 12<br>+ 5<br>17 |
| 5<br>- 2<br>3 | 4<br>+ 0<br>4 | 19<br>- 12<br>**7** | 7<br>- 1<br>6 | 10<br>- 9<br>1 |
| 15<br>+ 4<br>19 | 1<br>+ 19<br>**20** | 9<br>+ 6<br>15 | 13<br>- 6<br>7 | 17<br>- 8<br>9 |
| 3<br>+ 7<br>10 | 2<br>+ 18<br>20 | 13<br>+ 4<br>**17** | 1<br>+ 6<br>7 | 2<br>- 1<br>1 |

| | | | | |
|---|---|---|---|---|
| 7<br>+ 8<br>**15** | 5<br>- 1<br>4 | 17<br>+ 0<br>17 | 13<br>+ 1<br>**14** | 11<br>+ 6<br>**17** |
| 12<br>- 5<br>7 | 6<br>+ 10<br>16 | 7<br>- 5<br>**2** | 18<br>- 8<br>10 | 15<br>- 8<br>7 |
| 1<br>- 0<br>1 | 11<br>- 10<br>1 | 3<br>- 3<br>**0** | 10<br>- 1<br>9 | 10<br>+ 5<br>15 |
| 16<br>- 7<br>**9** | 17<br>+ 1<br>**18** | 11<br>- 6<br>5 | 2<br>+ 11<br>13 | 18<br>+ 1<br>19 |
| 11<br>+ 8<br>**19** | 2<br>+ 7<br>9 | 19<br>- 16<br>**3** | 20<br>+ 0<br>20 | 16<br>- 6<br>10 |
| 7<br>- 3<br>4 | 18<br>+ 2<br>**20** | 9<br>- 5<br>4 | 16<br>- 10<br>6 | 6<br>- 3<br>**3** |
| 7<br>+ 11<br>18 | 14<br>+ 6<br>20 | 8<br>- 7<br>1 | 8<br>+ 5<br>**13** | 11<br>- 8<br>3 |

| | | | | |
|---|---|---|---|---|
| 2<br>+ 11<br>**13** | 12<br>- 8<br>4 | 11<br>+ 8<br>19 | 0<br>+ 7<br>7 | 12<br>+ 7<br>**19** |
| 1<br>+ 10<br>11 | 3<br>+ 7<br>10 | 15<br>- 1<br>14 | 17<br>- 0<br>**17** | 6<br>- 1<br>**5** |
| 10<br>+ 9<br>19 | 4<br>- 0<br>4 | 7<br>- 5<br>2 | 4<br>+ 3<br>7 | 6<br>- 6<br>**0** |
| 2<br>- 2<br>0 | 8<br>+ 3<br>**11** | 20<br>+ 0<br>20 | 18<br>+ 1<br>19 | 12<br>+ 5<br>17 |
| 3<br>+ 12<br>**15** | 14<br>- 5<br>9 | 13<br>+ 2<br>**15** | 8<br>+ 7<br>15 | 7<br>- 1<br>6 |
| 19<br>+ 1<br>**20** | 16<br>- 7<br>9 | 16<br>+ 2<br>**18** | 15<br>- 2<br>13 | 15<br>+ 4<br>19 |
| 11<br>- 3<br>8 | 14<br>+ 3<br>17 | 15<br>+ 5<br>**20** | 7<br>+ 3<br>10 | 10<br>- 9<br>**1** |

| | | | | |
|---|---|---|---|---|
| 4<br>- 1<br>___<br>3 | 10<br>+ 4<br>___<br>14 | 19<br>- 1<br>___<br>18 | 11<br>- 2<br>___<br>9 | 3<br>- 1<br>___<br>2 |
| 2<br>+ 15<br>___<br>17 | 1<br>- 1<br>___<br>0 | 18<br>+ 0<br>___<br>18 | 7<br>+ 6<br>___<br>13 | 1<br>+ 4<br>___<br>5 |
| 17<br>- 1<br>___<br>16 | 13<br>- 5<br>___<br>8 | 0<br>- 0<br>___<br>0 | 11<br>+ 7<br>___<br>18 | 8<br>- 4<br>___<br>4 |
| 11<br>+ 5<br>___<br>16 | 19<br>- 9<br>___<br>10 | 9<br>- 4<br>___<br>5 | 16<br>- 8<br>___<br>8 | 2<br>- 1<br>___<br>1 |
| 1<br>+ 2<br>___<br>3 | 3<br>- 3<br>___<br>0 | 5<br>+ 15<br>___<br>20 | 5<br>- 4<br>___<br>1 | 13<br>- 11<br>___<br>2 |
| 7<br>+ 9<br>___<br>16 | 5<br>- 5<br>___<br>0 | 7<br>+ 1<br>___<br>8 | 15<br>- 0<br>___<br>15 | 9<br>- 8<br>___<br>1 |
| 8<br>- 0<br>___<br>8 | 9<br>+ 7<br>___<br>16 | 19<br>+ 0<br>___<br>19 | 14<br>- 14<br>___<br>0 | 17<br>+ 0<br>___<br>17 |