These powerful TouchMath Second Grade Kits are teacher-tested, student-approved classroom resources designed to help ensure success for all learners.

Five complete kits provide students with vivid graphics and captivating activities to make math come alive. Topics include:

- **Addition**
- **Subtraction**
- **Sequence Counting/Multiplication**
- **Story Problems**
- **General Math (Time•Money•Shapes & Sizes•Fractions•Advanced Counting)**

The sample activities on the following pages are taken from this comprehensive 5-kit TouchMath Second Grade resource.

Recommended for both second-grade and special education classrooms.
Each digit, from 1 through 9, has TouchPoints corresponding to the digit’s quantity. Numerals 1 through 5 use single TouchPoints, or dots. Numerals 6 through 9 use double TouchPoints symbolized by a dot inside of a circle. The numeral 0 has no TouchPoints, so you never touch and count a zero.

In TouchMath computation, single TouchPoints are touched and counted once, and double TouchPoints are touched and counted twice. Students always touch with their pencils in the Touching/Counting Pattern specified for a particular numeral (see patterns on this page).

In TouchMath addition, students count forward, and in subtraction they count backward. In multiplication and division, they count in sequences. In each process, students touch, count, and repeat the problem and the answer. This multisensory approach helps to ensure success for every student.

The TouchMath method simplifies and clarifies all areas of computation, develops left/right directionality, reduces number reversals, reinforces number values, eliminates guesswork, and helps to develop positive student self-images.

TouchMath is used in conjunction with existing math programs. It easily supplements any textbook series and complements the manipulative approach.
1. Teach the Beginning Addition Statement: "I touch and count all the TouchPoints on the numerals." Touch the TouchPoints on the numerals with a pencil point and count aloud in the correct order.

2. In Example A, begin counting with the top numeral in the column, 5: “1, 2, 3, 4, 5.”

3. Continue counting on the 4: “6, 7, 8, 9.”

4. Record the answer: 9.

5. Reinforce the facts by repeating the problem and the answer aloud.*

6. For a longer column of numerals, Example B, repeat the first four steps and continue counting on all of the numerals. Then write the answer.

```
Example A  Example B

  8
  
  5 + 4

  2
  
  4 + 6
```

*This step engages the auditory learning channel and is key in helping students memorize number facts. It is also especially effective for auditory learners.
Directions. If you know the answer to each problem, write it down. If not, touch and count the TouchPoints in the correct order. Then write the answer. No guessing! Say the problem and answer quietly.

1 + 5 = 6
7 + 0 = 7
3 + 1 = 4
0 + 6 = 6

9 + 0 = 9
1 + 8 = 9
6 + 1 = 7

1 + 4 = 5
0 + 2 = 2
1 + 9 = 10
Directions. If you know the answer to each problem, write it down. If not, touch and count the TouchPoints in the correct order. Then write the answer. No guessing! Say the problem and answer quietly.

\[
\begin{align*}
2 + 7 & = 9 \\
4 + 1 & = 5 \\
9 + 2 & = 11 \\
0 + 8 & = 8 \\
5 + 2 & = 7 \\
6 + 0 & = 6 \\
2 + 3 & = 5 \\
1 + 9 & = 10 \\
8 + 2 & = 10 \\
2 + 6 & = 8
\end{align*}
\]
Directions. If you know the answer to each problem, write it down. If not, touch and count the TouchPoints in the correct order. Then write the answer. No guessing! Say the problem and answer quietly.

\[
\begin{align*}
3 + 3 & = 6 \\
5 + 1 & = 6 \\
4 + 3 & = 7 \\
2 + 6 & = 8
\end{align*}
\]

\[
\begin{align*}
1 + 8 & = 9 \\
3 + 7 & = 10 \\
5 + 2 & = 7
\end{align*}
\]

Puzzler:

\[
\begin{align*}
3 + 6 & = 9 \\
2 + 4 & = 6 \\
8 + 3 & = 11 \\
6 + 0 & = 6
\end{align*}
\]
Directions. If you know the answer to each problem, write it down. If not, touch and count the TouchPoints in the correct order. Then write the answer. No guessing! Say the problem and answer quietly.

3 + 4 = _____
3 + 8 = _____
4 + 4 = _____
5 + 2 = _____

1 + 7 = _____
6 + 4 = _____
6 + 3 = _____

9 + 4 = _____
5 + 3 = _____
4 + 7 = _____
Name _____________________________

Directions. If you know the answer to each problem, write it down. If not, touch and count the TouchPoints in the correct order. Then write the answer. No guessing! Say the problem and answer quietly.

\[
\begin{align*}
3 + 5 &= 8 \\
4 + 7 &= 11 \\
7 + 3 &= 10 \\
5 + 6 &= 11 \\
0 + 9 &= 9 \\
5 + 5 &= 10 \\
4 + 5 &= 9 \\
5 + 2 &= 7 \\
7 + 5 &= 12 \\
6 + 1 &= 7 \\
5 + 8 &= 13
\end{align*}
\]
Directions. If you know the answer to each problem, write it down. If not, touch and count the TouchPoints in the correct order. Then write the answer. No guessing! Say the problem and answer quietly.

6 + 1 = 
9 + 2 = 
3 + 6 = 
3 + 8 = 

7 + 0 = 
6 + 5 = 
5 + 9 = 

8 + 6 = 
4 + 4 = 
6 + 7 = 

© TouchMath Second Grade Addition  Adding Zeros – Nines  36
Directions. If you know the answer to each problem, write it down. If not, touch and count the TouchPoints in the correct order. Then write the answer. No guessing! Say the problem and answer quietly.

\[
\begin{align*}
5 + 7 & = \underline{12} \\
7 + 8 & = \underline{15} \\
4 + 9 & = \underline{13} \\
3 + 7 & = \underline{10} \\
4 + 4 & = \underline{8} \\
6 + 7 & = \underline{13} \\
0 + 8 & = \underline{8} \\
7 + 3 & = \underline{10} \\
5 + 1 & = \underline{6} \\
7 + 4 & = \underline{11}
\end{align*}
\]
Directions. If you know the answer to each problem, write it down. If not, touch and count the TouchPoints in the correct order. Then write the answer. No guessing! Say the problem and answer quietly.

8 + 4

3 + 7

5 + 8

6 + 4

9 + 6

7 + 8

8 + 9

2 + 3
Directions. If you know the answer to each problem, write it down. If not, touch and count the TouchPoints in the correct order. Then write the answer. No guessing! Say the problem and answer quietly.

Name ____________________________

\[
\begin{align*}
9 + 3 & = \underline{12} \\
5 + 6 & = \underline{11} \\
8 + 0 & = \underline{8} \\
9 + 9 & = \underline{18}
\end{align*}
\]

\[
\begin{align*}
7 + 8 & = \underline{15} \\
9 + 1 & = \underline{10} \\
4 + 7 & = \underline{11}
\end{align*}
\]

\[
\begin{align*}
4 + 9 & = \underline{13} \\
5 + 3 & = \underline{8} \\
9 + 5 & = \underline{14}
\end{align*}
\]
Directions. If you know the answer to each problem, write it down. If not, touch and count the TouchPoints in the correct order. Then write the answer.

\[
\begin{align*}
6 + 9 &= \underline{15} \\
4 + 8 &= \underline{12} \\
9 + 4 &= \underline{13} \\
7 + 3 &= \underline{10} \\
0 + 7 &= \underline{7} \\
2 + 9 &= \underline{11} \\
8 + 7 &= \underline{15} \\
3 + 9 &= \underline{12} \\
9 + 5 &= \underline{14} \\
7 + 6 &= \underline{13} \\
3 + 8 &= \underline{11} \\
5 + 5 &= \underline{10}
\end{align*}
\]