

# Math Tiles

## FUNCTIONS: IN & OUT TABLES

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Rule:

$$+ \square$$

|             |             |
|-------------|-------------|
| 8           | $1 \square$ |
| $\square$   | 17          |
| $1 \square$ | 18          |
| $1 \square$ | 19          |

Rule:

$$- 2$$

|   |   |
|---|---|
| 7 | 5 |
| 6 | 4 |
| 5 | 3 |
| 4 | 2 |



9

0

1

6

8

# MATH TILES: WHAT'S INCLUDED?

**\*24 different Interactive Math Tile cards**

**\*Tips** for storage, number tiles and use

**\*Answer key** – for easy checking by teacher or parent volunteer

**\*Student answer sheet** – students can record their answers for the teacher to check later

**\*Two options for a "Tile Tracker"** – Students receive stars (or stickers, Dabs, stamps, etc...) over the corresponding card number that they complete correctly. This helps to keep track of the cards students have already completed!

**\*Printable 0-9 number tiles**

## MATH TILES: STORAGE

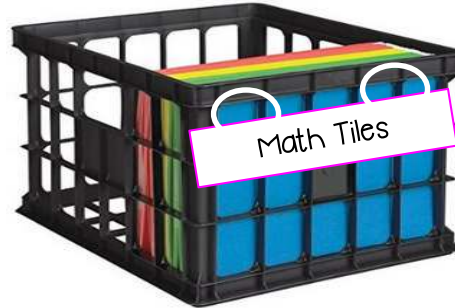
There are multiple ways to store Interactive Math Tiles. No one way is right, you just have to choose the one that best suits your classroom.

### Storing the Interactive Math Tile cards:

Depending on the storage option that you choose, you will either print out the tile cards onto cardstock and laminate them, or you will print onto cardstock or regular copy paper and slide each card into a sheet protector.

# MATH TILES: STORAGE

## FILE CRATE STORAGE:



Have a file crate dedicated to Interactive Math Tiles. In each file folder you can store a set (or two) of Interactive Math Tiles. Print the tile cards onto cardstock and laminate them for longer use. You can print and laminate the answer key too, and make an answer key ring that attaches to the back of the file crate (hole punch and use a metal book ring to attach). Also, use another file folder to store extra copies of the "Tile Tracker."

## BINDER STORAGE:



Use a one inch binder to store each set of Interactive Math Tile cards. Print out a set and place each card into a separate sheet protector. Keep the binder in a place that is easy for students to access.

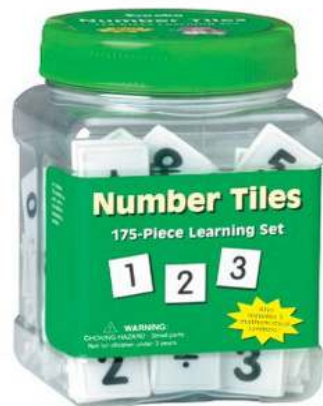
In the front pocket of the binder you can store extra copies of the Tile Tracker. Keep the answer key in a separate binder that is dedicated to all of your Interactive Math Tile answer keys.

# MATH TILES: NUMBER TILES

There are a few different options for the number tiles.

**Option #1:** Included in this pack are number tiles 0-9. You can print them onto cardstock and laminate them for repeated use. Store sets of 0-9 in individual baggies. I keep a clear storage bin in my center area labeled "Number Tiles," so students have easy access to them. Otherwise, you can also have students store them in their desk in a small Tupperware, or in the table group's supply caddy...there are multiple options!

**Option #2: I prefer to use THESE NUMBER TILES!** They are more durable than paper tiles. These are plastic tiles that I purchased [ON AMAZON](#) for about \$10. One tub yields 15 sets of 0-9 tiles.



**Option #3:** If you are a DIY kind of person, you can make tiles out of foam (purchased very inexpensively from any craft store). Just cut 1 inch by 1 inch tiles and use a black Sharpie to write the numbers on them.



# MATH TILES: HOW TO USE

Math Tiles are a fun, hands-on way for students to practice math skills! Students are challenged to use their critical thinking and problem solving skills to place all ten number tiles on each tile card.

## Use as a small group center:

Interactive Math Tiles are perfect for a small, guided math group activity. Students work with a teacher/parent in solving the tile cards. Once a card is completed, the teacher/parent can use the given answer key to check students' work. If a student gets the tile card correct, they get a star (stamp, sticker, or Dab marker works too) on their "Tile Tracker." This way, students can keep track of which cards they have correctly completed.

## Use as an independent center:

Included in this file is a Student Answer Sheet. This allows students to record their answers while working on a tile card independently. This way, the teacher can collect the answer sheet to check at a later time (I usually collect answer sheets once a week).

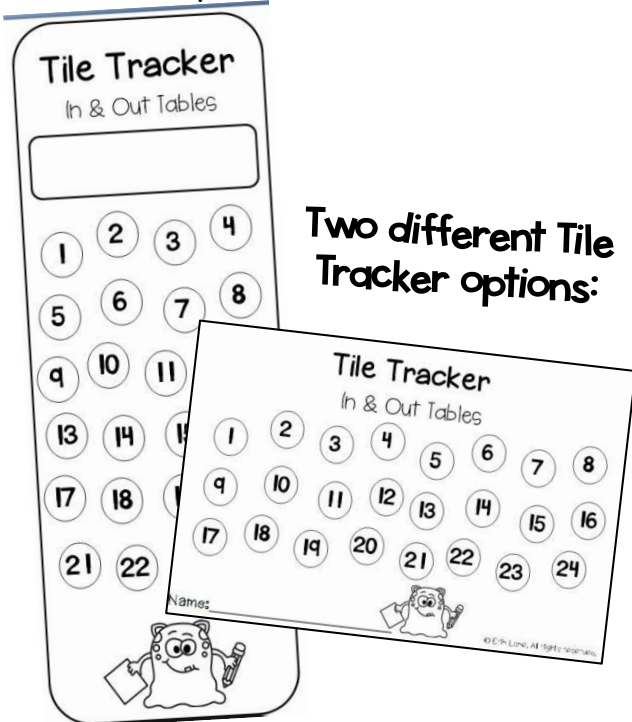
## Use as "take-home tiles":

You can copy extra sets of tile cards to use as "take home" tiles. I have Ziploc baggies ready to go, with five tile cards, a set of number tiles, and an answer sheet. This way, if students need more practice on a specific skill, or if parents are requesting an extra challenge at home, these are on hand, ready to go!




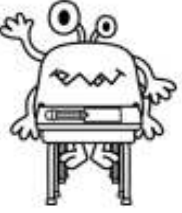
# MATH TILES: HOW TO USE

1. Choose a tile card to complete. It can be any card number from the set.
2. Use the number tiles, 0-9, to solve the problems on the card.
3. Once the card is completed, have the teacher check the answers. Or, answers can be recorded on the Student Answer Sheet to be checked later by the teacher.



Functions: In & Out Tables

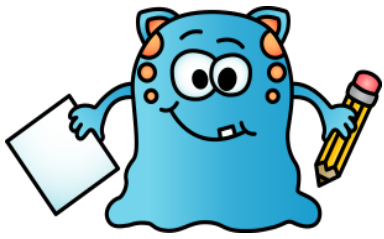
|   |                      |                      |                      |
|---|----------------------|----------------------|----------------------|
|  | Rule: + <b>8</b>     | Rule: - <b>2</b>     | <b>1</b>             |
| <b>8</b>  | <b>16</b>            | <input type="text"/> | <b>5</b>             |
| <input type="text"/>  | <b>17</b>            | <b>6</b>             | <input type="text"/> |
| <b>10</b>   | <b>18</b>            | <b>5</b>             | <b>3</b>             |
| <b>1</b>  | <input type="text"/> | <b>4</b>             | <b>2</b>             |



**1 4 7 9**

4. Once the tile card is checked, if it is correct, a star, sticker, Dab, or other mark will be made by the teacher on the Tile Tracker. The corresponding tile card number will be marked so students remember which cards they have completed.

\*Store Tile Tracker in a "Class-work" folder.



# Functions: In & Out Tables

Rule:

$$+ \square$$

Rule:

$$- \square$$

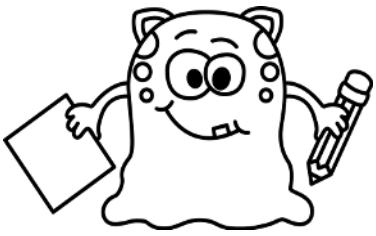
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|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> |
| <input type="text"/> | 7                    |
| <input type="text"/> |                      |
| 8                    | 11                   |

|                      |                      |
|----------------------|----------------------|
| 11                   | <input type="text"/> |
|                      | <input type="text"/> |
| 9                    | 8                    |
| <input type="text"/> | <input type="text"/> |

24 different cards included!



# Functions: In & Out Tables



Rule:

+

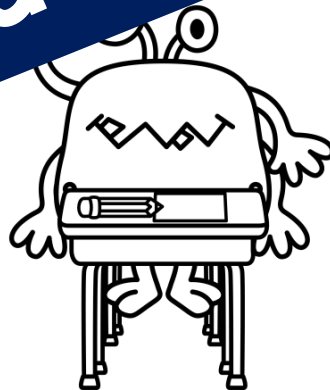
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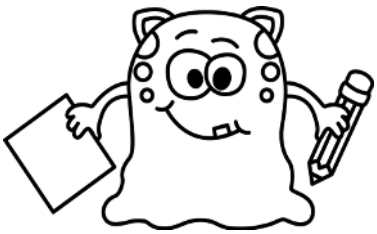
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| <input type="text"/> | <input type="text"/> |
| <input type="text"/> | 7                    |
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| 8                    | 11                   |

|                      |                      |
|----------------------|----------------------|
| 11                   | <input type="text"/> |
|                      | <input type="text"/> |
| 9                    | 8                    |
| <input type="text"/> | <input type="text"/> |

**Black and white version included, too!**







Name: \_\_\_\_\_ Date started: \_\_\_\_\_

## Student Answer Sheet: Functions – In & Out Tables

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**Student Answer Sheet included –  
can be an independent center, too!**

# Tile Tracker

In & Out Tables

NAME

|    |    |    |    |
|----|----|----|----|
| 1  | 2  | ★  | 4  |
| 5  | 6  | 7  | 8  |
| 9  | ★  | 11 | 12 |
| 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 |



# Tile Tracker

In & Out Tables

NAME

|    |    |    |    |
|----|----|----|----|
| 1  | 2  | ★  | 4  |
| 5  | 6  | 7  | 8  |
| 9  | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 |



Students earn stars for each card they complete correctly!