

Math Kit and Caboodle: **Dominoes**



Domino Mat Addition

Materials:

- Dominoes
- 18 quiet counters (colored chips)
- A "domino mat"
- Number cards

Instructions:

Set out two domino mats on your table. Ask your student to choose two dominoes from the Math Kit -- whichever ones s/he likes. Next, instruct your student to build a copy of each domino on the domino mats using the quiet counters (i.e. if your student has a "snake eyes" domino with one dot on each side, the student will place one quiet counter on each side of the domino mat to represent the domino). Instruct your student to count each quiet counter as s/he places it on the domino mat. When s/he is finished, ask your student to add the total number of quiet counters on both domino mats and pick the number card with the correct total.

Domino Parking Lot

Materials:

- Dominoes
- A "domino parking lot"

Instructions:

Place the domino parking lot on the table. It contains 12 "parking spots" in the shape of a domino -- each one labeled with a number 1-12. Instruct your student to search through the Math Kit dominoes and "park" dominoes in their correct spots. A domino with seven dots will need to be parked in the seven spot. This will require the student to first add the total number of dots on each domino, then to place them in the correct order next to their neighbor. You can also ask your student to assign a car model to each domino to make the game even more fun (i.e. the 1 domino may be a dirt bike while the 12 domino could be a Ford F-350 truck).

Domino War

Materials:

- Dominoes

Instructions:

This is a variation on the card game "War." Each player gets an equal number of dominoes. Hide the dominoes so that opposing players cannot see each other's pieces. At the same time, each player places one domino on the center of the table -- the domino with the higher total wins. (Note: this game includes strategy in a way that the card game does not, as each player can see their dominoes and decide whether to flip over lower or higher numbers each turn based on what the other player has already flipped over).

Domino Fractions

Materials:

-Dominoes

Instructions:

Ask your student to take ten to fifteen dominoes from the math kit and place them face up on the table. Write down six or seven simple fractions, like $\frac{1}{2}$ or $\frac{1}{4}$, on a piece of paper in front of you (don't let your student see it). Call out the fractions one by one. For each fraction, see if your student can determine which dominoes represent that fraction. For example if you say " $\frac{1}{2}$ ", your student can turn over the domino with one dot and two dots, the domino with two dots and four dots, and the domino with three dots and six dots. Your student gets a point for each domino he correctly turns over.