

# 1.OA Domino Addition

## Task

### Materials

- A large set of dominoes to affix to a whiteboard or place in a pocket chart, or a regular set to use on a document projector.
- One set of dominoes for each student or pair of students
- Domino addition worksheets

### Actions

- The teacher asks a child to choose a domino from a stack or bag. As the teacher holds up the domino, the students call out how many dots are on the domino altogether.
- Next the class counts the number of dots on each end of the domino to check their responses. Then the class names an addition equation that represents the relation between total number of dots and the number of dots on each end. For example, if the domino has 4 dots on one side and 2 dots on the other, the teacher can show the domino with the 4 on the left and the 2 on the right and the class names the equation  $4+2=6$ . The teacher then writes the equation.
- Then the teacher rotates the domino so the 2 is on the left and the 4 is on the right, and the class can name the equation  $2+4=6$ . The teacher then writes the equation. The teacher then draws the dots from the chosen domino on a blank domino.
- Once the students understand the task, they can work on their own. Students should have a set of dominoes to explore individually or with a partner, along with the domino addition worksheet. There are two variants of this task.
  - i. Students can choose dominoes at random, draw the dot pattern, and write the two related equations.
  - ii. Students can find all of the dominoes that have a particular sum, and then draw all the related dot patterns and equations. For example, they could look for all the dominoes that have 6 dots all together, then draw the dot patterns for those dominoes and write the corresponding equations.



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