

A LITTLE BOOK OF BIG IDEAS

Double-Nine Dot Dominoes

Calvin Irons

Sample Activity

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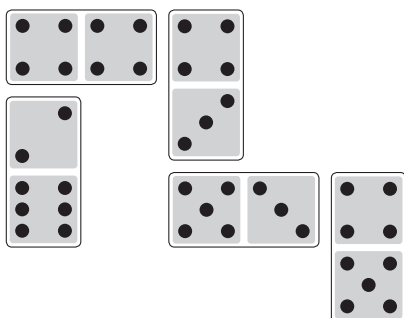
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Sum Snakes

Investigating addition involving three addends

Activity

- Have students work in groups. Each student in the group selects nine dominoes.
- Place one domino in the middle of a table. The students take turns to place their dominoes at either end of the "snake" as shown below (three ends in a section). The sum of the dots in each three-end section must always equal 12.



- A player who is unable to place a domino to make 12 misses a turn. The winner is the first player to use all of their tiles or have the fewest number of tiles left over in the event that no-one can play.

Variation

Play the game with different target numbers from 8 to 14.