

RAFT IDEAS

Topics: Addition facts,
Mathematical Reasoning

Materials List

- ✓ 2 game boards, each with 12 spaces
- ✓ 24 game pieces (e.g., caps, counters)
- ✓ Stickers or permanent marker
- ✓ Two dice

This activity can be used to teach:
CO Math Standard 1:
Number Sense, Properties, and Operations

- Addition facts

CO Math Standard 2:
Patterns, Functions, and Algebraic Structures

- Number Patterns based on Operations

21st Century Skills:

- Critical Thinking and Reasoning
- Collaboration
- Self-Direction

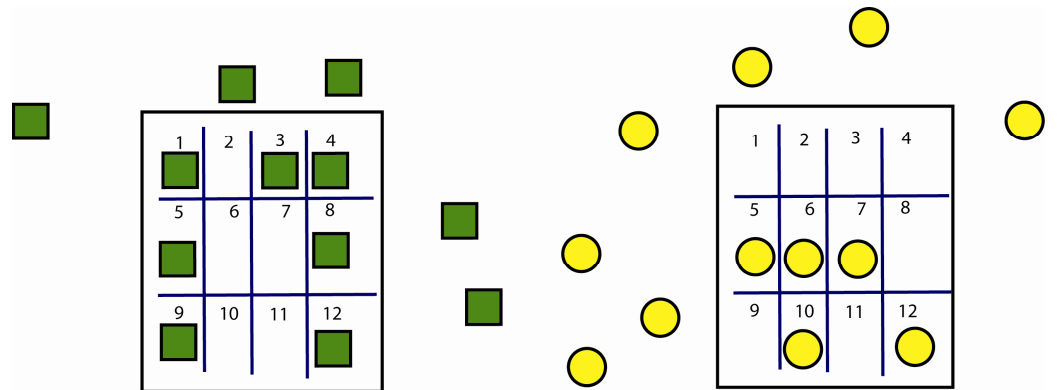
Grades: K, 1, 2, & 5



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Add It Up

A little strategy can go a long way!



Students will have fun playing this game as they develop strategic thinking with numbers and practice addition facts

Assembly for each game board

1. Use stickers to make the game boards and label the spaces from 1 – 12, or use permanent marker to create numbered spaces. If needed, use stickers to cover any unwanted printing on the board.
2. Place one game piece in each of the twelve spaces.

Playing the Game (for 2 players)

1. Players take turns rolling the dice and removing game pieces from the spaces on their own board that add up to the total on the dice. Thus, if a player rolls a “7”—she can take away “7”; or “5 and 2”; or “4 and 3”; or “6 and 1”; or “2, 4, and 1”.
2. The game is over for each individual player when play is not possible because there is no longer a combination of game pieces in spaces that add up to the sum of the dice. The other player continues until she/he can no longer remove game pieces.
3. The object of the game is to remove as many game pieces as possible. The player with the most removed pieces wins.

The Content Behind the Activity

When students are learning math facts, it is critical that they experience a great deal of repetition. Practicing math skills with a game allows students to learn those skills far more quickly than if they did pages of practice sheets. Brain research studies have shown that when a child’s brain is engaged in the learning process, the concepts are retained far longer.

Taking it Further

- Create a chart of each roll and choice of numbers “taken away”, compare charts with other students and look for patterns in the rolls and/or numbers.
- Play the game as solitaire with the goal of “remove all of the pieces to win”.

Web Resources - Visit www.raft.net/more for how-to videos and more ideas!