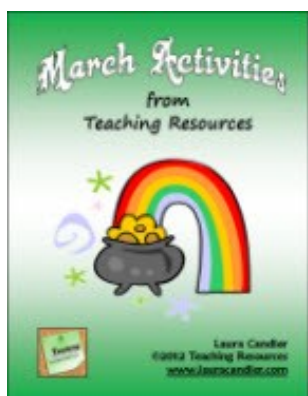
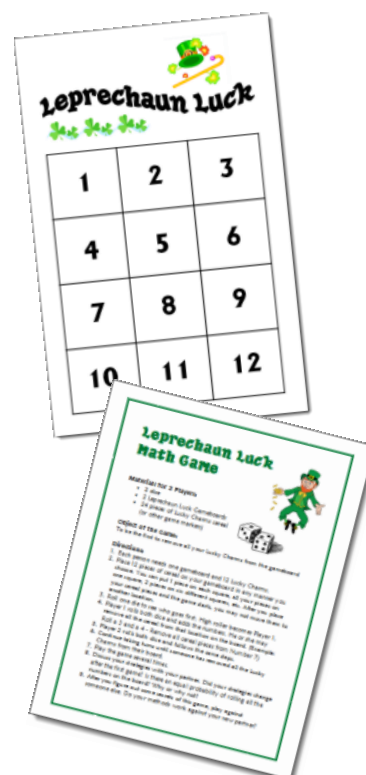


Leprechaun Luck Probability Game



Cooperative Learning Math Game by Laura Candler

Leprechaun Luck is a fun, hands-on math game that will challenge your students to explore probability concepts. You'll need a box of Lucky Charms cereal for the class and one Leprechaun Luck gameboard for each student. Pair students with a partner and display the directions on page 3. Give each student 12 Lucky Charms cereal pieces to place in any location on his or her gameboard. All of the pieces can be placed on one number, one on each number, or any other combination. Next, they take turns with their partner rolling the two dice and adding to find the sum. The student who rolled the dice removes all the pieces from that spot on his or her board. They continue taking turns until one person has removed all the Lucky Charms. Students soon realize that some numbers are luckier than others! You can't get a sum of 1, so placing cereal on that spot is a sure way to lose. Let them play a few rounds, discuss their strategies with their partners, and then switch to play against someone else. After awhile, they'll start to realize that the numbers in the middle are luckier than those at the top and bottom of the board. Challenge them to figure out why this is true. Hint: If they list all the sums they can get from every combination two rolls, they'll realize that some numbers have more possible combinations of addends. For example, there's only one way to get a sum of 2, but you can get a sum of 7 by rolling $1 + 6$, $2 + 5$, and $3 + 4$. Maybe that's why 7 has always been considered to be a lucky number! Allow plenty of time for students to play the game and explore probability concepts.



This activity is a free sample from my **March Activities Packet** which is available on TeachersPayTeachers.com and from the Seasonal Page at www.lauracandler.com. The March Activities packet is available to newsletter subscribers for \$1 during the month of March. Sign up for **Candler's Classroom Connections** and follow the directions in the welcome message.

Leprechaun Luck Math Game



Materials for 2 Players:

- 2 dice
- 2 Leprechaun Luck Gameboards
- 24 pieces of Lucky Charms cereal (or other game markers)

Object of the Game:

To be the first to remove all your Lucky Charms from the gameboard

Directions:

1. Each person needs one gameboard and 12 Lucky Charms.
2. Place 12 pieces of cereal on your gameboard in any manner you choose. You can put 1 piece on each square, all your pieces on one square, 2 pieces on six different squares, etc. After you place your cereal pieces and the game starts, you may not move them to another location.
3. Roll one die to see who goes first. High roller becomes Player 1.
4. Player 1 rolls both dice and adds the numbers. He or she may remove all the cereal from that location on the board. (Example: Roll a 3 and a 4 - Remove all cereal pieces from Number 7)
5. Player 2 rolls both dice and follows the same steps.
6. Continue taking turns until someone has removed all the Lucky Charms from their board.
7. Play the game several times.
8. Discuss your strategies with your partner. Did your strategies change after the first game? Is there an equal probability of rolling all the numbers on the board? Why or why not?
9. After you figure out some secrets of this game, play against someone else. Do your methods work against your new partner?



Leprechaun Luck



1	2	3
4	5	6
7	8	9
10	11	12



Leprechaun Luck



1	2	3
4	5	6
7	8	9
10	11	12



Laura Candler's Teaching Resources

If you enjoyed this free teaching resources pack, you might also enjoy some of my popular ebooks and lessons. You can purchase them from my store on TeachersPayTeachers.com by clicking the links below or by visiting my Teaching Resources website: www.lauracandler.com.



Laura Candler

Teaching Multiple Intelligence Theory

Bingo Showdown:

Confusing Words Review

Character Bio Reports

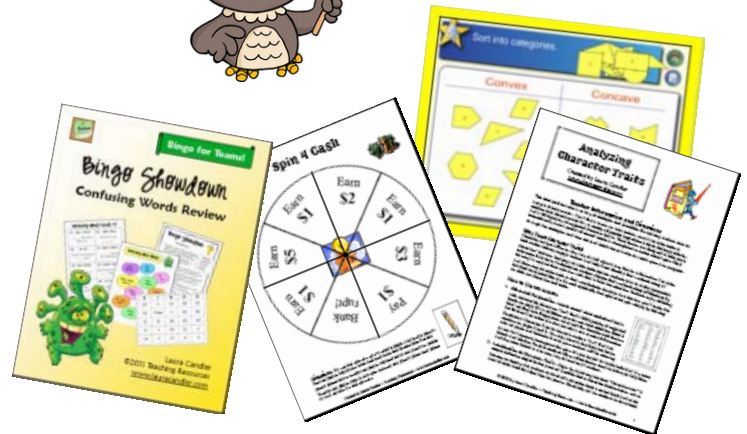
Analyzing Character Traits

Powerful Poetry Combo

Plural Noun Showdown

Sentence Go Round

Writing Powerful Poetry



Geometry: Exploring the Basics

Math Stations for Middle Grades (3-8)

Mastering Math Facts

Polygon Explorations

Polygon Explorations (Smartboard)

Place Value Spinner Games

Fraction Spinner Games

Simplify and Snap Fraction Game

Order of Operations Bingo

Seasonal Teaching Packs

October

November

December

January

February (Free!)

March

April

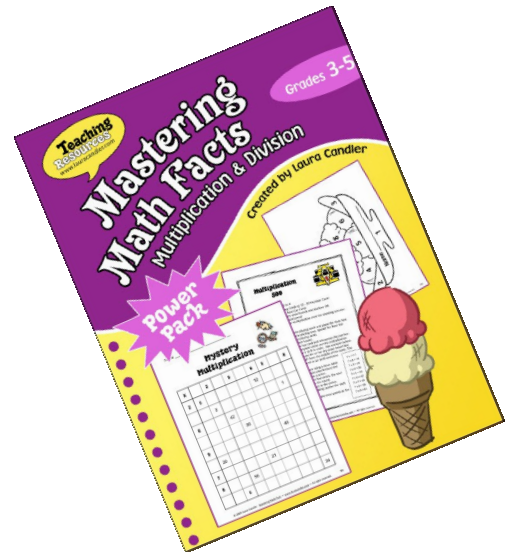


Teaching Resources Website

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