Brainy Acts of Math

Logic Activities

Concept: Geoffrey R. Lorenz

Author: Sara Inskeep Author: Bonnie J. Krueger Editor: Jonathan Gross

Book Design: Patti Jeffers, Brenda Knowis, Jeff Richards

ELE90/102202

ISBN: 978-0-7877-1956-2

Release Date 2015

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P. O. Box 802

Dayton, OH 45401-0802

www. Lorenz Educational Press. com

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The pages in this packet were originally published in Brainy Acts, (ELE90/1022).

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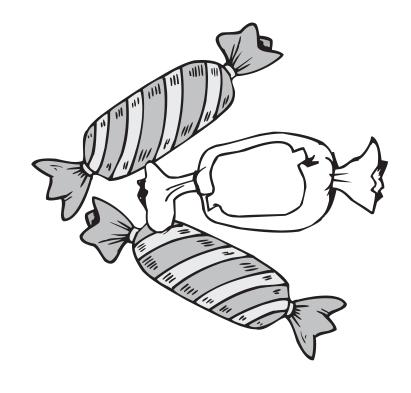


Next In Line!

Divide the class into small teams of 3-4 students and provide each team with 20 M&Ms®, marshmallows, pretzel sticks, or other small treats. Be sure to tell the students not to eat these "game pieces!"

Read the following sequences aloud. Then have each team use their game pieces to show the next number in the sequence. The teams must work together to find the relationship between the numbers you have read and determine the correct number of game pieces.

- 1) 2, 4, 6, 8, _____
- 2) 1, 3, 5, 7, _____
- 3) 3, 6, 9, 12, _____
- 4) 4, 8, 12, 16, _____
- 5) 1, 4, 7, 10, _____
- 6) 3, 7, 11, 15, _____
- 7) 2, 6, 10, 14, _____
- 8) 5, 8, 11, 14, _____
- 9) 1, 2, 4, 8, _____
- 10) 25, 22, 19, 16, _____
- 11) 10, 8, 6, 4, _____
- 12) 60, 50, 40, 30, _____



Numbers can be added to or removed from the sequences to make them more difficult. You may also wish to write the sequences on the board for the students to look at while they are working.

Multiplication Tables

This game is also a great way to practice multiplication tables. Tell the teams which multiplication set you will be using (multiples of 3, 5, etc.) and read the first equation (3 \times 1 = 3). Have the teams show the appropriate number of game pieces for each equation in the set. This allows the students to physically see the multiplication of numbers as you move through the set. Additional game pieces will be needed for this activity.



Hidden Pictures

Use the multiplication grid on the following page to find the answers to the problems. Shade in each answer with the correct color. When you have solved and colored all the answers, you will reveal a picture!

Color these squares green:

Color these squares red:

Color these squares yellow:



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