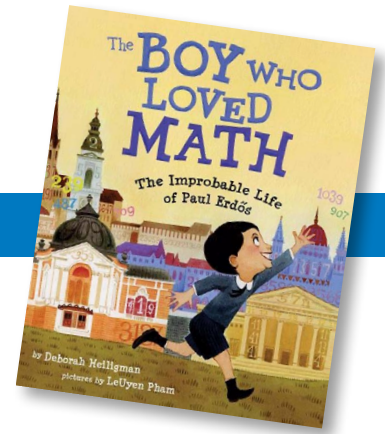


The Boy Who Loved Math

THE IMPROBABLE LIFE OF PAUL ERDÖS

RIF EXTENSION ACTIVITIES FOR EDUCATORS



THINK-TAC-TOE ACTIVITY OPTIONS

- ◆ Individual students can choose an activity to complete.
- ◆ Student pairs or cooperative groups can work together on a choice of their own.
- ◆ Educator can assign an activity for an individual, pairs, or groups.

<p style="text-align: center;">RHYME TIMES</p> <p>With a partner, choose 5 multiplication facts you both find hard to remember. Write a rhyming couplet for each.</p> <p>Example: 7 x 7 is so divine, multiply the 7s—it equals 49!</p> <p style="text-align: center;"><i>Math, Art, Writing</i></p>	<p style="text-align: center;">CHART CHALLENGE #1</p> <p>With a partner, use a hundreds chart to play. Player 1 marks an even number less than 50 on the hundred board. Player 2 marks a factor or multiple of that number. Alternate turns. Each time, mark a factor or multiple of the last number played. Whoever marks the last number, leaving his opponent with no moves, wins the game.</p> <p style="text-align: center;"><i>Math</i></p>	<p style="text-align: center;">MAKING CONNECTIONS</p> <p>Science and math overlap. Choose a topic below and write about how science and math are used in each, making at least 5 connections between them.</p> <p style="text-align: center;">Rocks and Minerals The Solar System Life Cycles Weather</p> <p style="text-align: center;"><i>Math, Science</i></p>
<p style="text-align: center;">AROUND THE GLOBE</p> <p>You're in charge of booking a trip for Paul! He wants to visit a university near you, see your school, and visit your home. Go to www.google.com/maps. Find Budapest, Hungary. Then plot the other 3 stops. How many miles are there between each? How many miles will Paul travel all together? How will he travel?</p> <p style="text-align: center;"><i>Technology, Math, Social Studies</i></p>	<p style="text-align: center;">CHART CHALLENGE #2</p> <p>The Sieve of Eratosthenes activity is a way to identify prime numbers. Research the method online and read how to carry out the activity. Use a hundreds board to test it out. Were you able to find all the prime numbers to 100? List them. Write at least 1 question you had during the activity.</p> <p style="text-align: center;"><i>Math, Technology</i></p>	<p style="text-align: center;">GAME TIME</p> <p>Create a board or card game that will help your class practice their multiplication and division facts. Your game must have clear directions and an answer key. Be sure to make any necessary items for playing (e.g., game board, playing pieces, score cards).</p> <p style="text-align: center;"><i>Engineering, Art, Math</i></p>
<p style="text-align: center;">MATH STAR!</p> <p>You are the editor of the local paper. The top story is that Paul Erdős is coming to your school. When is he coming? Why? Who will host him? Make the front page! Create a catchy headline, write an informative article about his visit, and add a picture to grab reader interest.</p> <p style="text-align: center;"><i>Math, Writing, Social Studies</i></p>	<p style="text-align: center;">CHART CHALLENGE #3</p> <p>Use a hundreds board and these clues to find the secret number.</p> <ul style="list-style-type: none"> ● It is a multiple of 3 and 5. ● If the digits are added together, you get an odd number. ● It is even. <p>Write a paragraph about how you solved this problem. Explain your guesses and how the list of possible numbers decreased with each clue. What strategies did you use?</p> <p style="text-align: center;"><i>Math, Writing</i></p>	<p style="text-align: center;">DATA COLLAGE</p> <p>Think of a broad topic—any topic you want. Search the internet, newspapers, and magazines to find examples of data, graphs, and statistics about your topic. Cut out the examples and create a collage. Write at least 1 paragraph answering the following: Why is data important? What are different ways data is displayed? What are different ways data is used?</p> <p style="text-align: center;"><i>Math, Science, Technology, Art</i></p>

Hundreds Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

