

MathFLIX CHALLENGE

Mathematical Modeling: Parts-to-Whole with \$

Read to Succeed is an exciting program that encourages students to read for fun. Students who complete six hours of recreational reading earn a free ticket to *Six Flags Great America (GA)*. **Anna, Gabrielle, Ari, Lou, Jamel, Amy, Jack, Lila, Emma, Sam, Pat Terri, Ian and Al** earned free tickets to *Great America*.

Study the example below to understand the pattern the complete the table.

Problem	Model	? \$ Spent	? \$ NOT Spent	Computation (\$ Spent)	Computation (\$ NOT Spent)					
Anna went to GA with \$20 in her wallet. She spent $\frac{1}{5}$ of her money.	<table border="1" style="display: inline-table;"><tr><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td></tr></table>	4	4	4	4	4	\$4	\$16	$\frac{1}{5} \times 20$	$\frac{4}{5} \times 20$
4	4	4	4	4						
Gabrielle went to GA with \$20 in her wallet. She spent $\frac{2}{5}$ of her money.	<table border="1" style="display: inline-table;"><tr><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td></tr></table>	4	4	4	4	4				
4	4	4	4	4						
Ari went to GA with \$20 in his wallet. He spent $\frac{3}{5}$ of his money.										
Lou went to GA with \$20 in his wallet. He spent $\frac{1}{4}$ of his money.	<table border="1" style="display: inline-table;"><tr><td></td><td></td><td></td><td></td></tr></table>									
Jamel went to GA with \$21 in his wallet. He spent $\frac{3}{7}$ of his money.										
Amy went to GA with \$24 in her wallet. She spent $\frac{2}{3}$ of her money.										
Lila went to GA with \$24 in her wallet. She spent $\frac{5}{8}$ of her money.										
Jack went to GA with \$24 in his wallet. He spent $\frac{1}{2}$ of his money.										
Sam, Pat, and Terri went to GA and each had \$12. Sam spent $\frac{1}{2}$, Pat spent $\frac{2}{4}$ and Terri spent $\frac{3}{6}$ of their money.										