

Balance—

Balancing with Powers of Two Name: _____

You will add different combinations of numbers to balance a scale.

EXPLORE

1. Open **Balance--Balancing with Powers of Two.gsp**. Go to page “Balance.”

Follow these steps:

- Drag letters to the left side of the scale to balance n on the other side.
 - Write a corresponding equation using the letters.
 - Press *New Problem* to create a new problem.
2. Record 10 problems. As you work, think about any questions, observations, and conjectures you can make.

Problem	Value of n	Equation
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

2. What questions, observations, and conjectures did you make?
