

Name: _____

Date: _____

UNIT 2 • REASONING WITH LINEAR EQUATIONS AND INEQUALITIES

Lesson 4: Solving Equations and Inequalities

Problem-Based Task 2.4.1: Magic Number

Try this magic number game.

Think of a number. Then double it. Now add 6. Take half of that number. Finally, subtract the number you started with.

Your answer is 3.

Will your answer always be 3? How is this possible? Use the properties of equality to justify your reasoning.

SMP

1 ✓ 2

3 ✓ 4

5 6

7 ✓ 8

