

Lesson 1 Name _____

Identifying Fundamental Properties of Mathematics

AA 0	A 1	B 2	C 3	D 4	E 5	F 6	G 7	H 8	I 9	J 10	K 11	L 12	M 13
	N 14	O 15	P 16	Q 17	R 18	S 19	T 20	U 21	V 22	W 23	X 24	Y 25	Z 26

Directions: Use the code above to decide which fundamental property of mathematics is being described. Write your answer on the line provided.

1. $(a+b)+c=a+(b+c)$ is the **1-19-19-15-3-9-1-20-9-22-5** Property of Addition.

2. $a*b=b*a$ is the **3-15-13-13-21-20-1-20-9-22-5** Property of Multiplication.

3. $a(b+c)=ab+ac$ is the **4-9-19-20-18-9-2-21-20-9-22-5** Property of Equality.

4. $a=a$ is the **18-5-6-12-5-24-9-22-5** Property of Equality.

5. $a+0=a$ is the **9-14-22-5-18-19-5** Property of Addition.

6. If $a=b$ and $b=c$, then $a=c$ is the **20-18-1-14-19-9-20-9-22-5** Property of Equality.

7. If $a=b$, then $b=a$ is the **19-25-13-13-5-20-18-9-3** Property of Equality.

8. If $a=b$, then $a+c=b+c$ is the **1-4-4-9-20-9-15-14** Property of Equality.

9. If $a=b$ then $a-c=b-c$ is the **19-21-2-20-18-1-3-20-9-15-14** Property of Equality.

10. $a+(-a)=0$ is the **9-4-5-14-20-9-20-25** Property of Addition
