

Name: _____

Date: _____

Directions: PRINT your written responses and use complete sentences.

PROBLEM SOLVING

Directions: Complete the table to determine when a sum will be less than or greater than the starting value.

Problem	Starting Value	Distance Moved $ x $	Ending Value (Sum)	Ending value: less than or greater than starting value < or >
A) $-4 + (-7)$	-4			
B) $-3 + 2$			-1	
C) $5 + (-3)$		3 Units		
D) $7 + (-10)$	7			
E) $2 + 4$				>2
F) $-6 + (-2)$				

QUESTIONS

1) List the letters of the problems that have sums greater than the starting value. What do these problems have in common? Name at least two things.

2) List the letters of the problems that have sums less than the starting value. What do these problems have in common? Name at least two things.

3) How does the second addend determine the direction to move on the number line?

4) How can you determine if the sum of two numbers will be less than or greater than the first addend?