Adding Machine

1. List six pairs of locations for A and B such that A+B = 0.

2. List four pairs of locations for A and B such that A+B = 4.

3. List four pairs of locations for A and B such that A+B = -4

4. Find a location for A and B in which all three markers lie directly on top of each

other. Is there more than one location?

5. Drag A to 0. Then slowly drag B backwards along the number line.

What happens to A+B? Why?

6. Drag A to -5. What values of B keep A+B between A and 0? Why?

7. Can A, B, and A+B all lie to the left of O? Explain.

8. What have you noticed about the addition of integers?