



FOCUS ON HIGHER ORDER THINKING

Work Area

- 31. Critical Thinking** Explain how you could use a number line to show that $-4 + 3$ and $3 + (-4)$ have the same value. Which property of addition states that these sums are equivalent?

- 32. Represent Real-World Problems** Jim is standing beside a pool. He drops a weight from 4 feet above the surface of the water in the pool. The weight travels a total distance of 12 feet down before landing on the bottom of the pool. Explain how you can write a sum of integers to find the depth of the water.

- 33. Communicate Mathematical Ideas** Use counters to model two integers with different signs whose sum is positive. Explain how you know the sum is positive.

- 34. Analyze Relationships** You know that the sum of -5 and another integer is a positive integer. What can you conclude about the sign of the other integer? What can you conclude about the value of the other integer? Explain.
