

Mathematical

Reflections

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In this investigation, you compared important properties of arithmetic with positive numbers to properties of arithmetic with negative numbers. The following questions will help you summarize what you have learned.

Think about your answers. Discuss your ideas with other students and your teacher. Then write a summary of your findings in your notebook.

1. **a.** What is the order of operations? Why is it important for you to understand?
 - b.** Give an example of an equation where the use of parentheses changes the result of the computation.
2. **a.** What does it mean to say that an operation is *commutative*?
 - b.** Which operations on integers are commutative? Give numerical examples.
3. What does it mean to say that *multiplication distributes over addition and subtraction*? Give numerical examples.