

Name \_\_\_\_\_

## Unlocking the Mystery of Arithmetic: The Language of Numbers

### Open-Ended Response Answer Key

1. Yes, when I go shopping and need to calculate the total cost of items, I use addition and sometimes subtraction to figure out how much money I have left.
2. Arithmetic helps us solve practical problems by providing us with the tools to manipulate quantities and make informed decisions based on numerical data.
3. Arithmetic is considered the foundation of mathematics because it deals with basic operations of numbers, providing the building blocks upon which more complex mathematical concepts are constructed, and without a solid understanding of arithmetic, it would be challenging to tackle more advanced mathematical problems.
4. Arithmetic is like a key that unlocks the door to the world of mathematics because it empowers us to understand and manipulate the numbers that surround us, enabling us to solve practical problems, make informed decisions, and explore the deeper mysteries of the universe through mathematical reasoning.

