Lesson 17: Write Expressions in Which Letters Stand for Numbers

Classwork

Exercises

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| **Station One** | 1. The sum of and . |
| 1. Five more than twice a number . |
| 1. Martha bought number of apples and then ate of them. |
| **Station Two** | 1. decreased by . |
| 1. The total of and , divided by . |
| 1. Rashod scored less than times as many baskets as Mike. Mike scores baskets. |
| **Station Three** | 1. The quotient of and . |
| 1. Triple the sum of and . |
| 1. Gabrielle had buttons but then lost . Gabrielle took the remaining buttons and split them equally among her friends. |
| **Station Four** | 1. doubled. |
| 1. Three more than times a number . |
| 1. Mali has pieces of candy. She doubles the amount of candy she has then gives away pieces. |
| **Station Five** | 1. cubed. |
| 1. The quantity of increased by , and then the sum is divided by . |
| 1. Tai earned points fewer than double Oden’s points. Oden earned points. |
| **Station  Six** | 1. The difference between and . |
| 1. less than the sum of and . |
| 1. Adalyn has pants and shirts. She combined them and sold half of them. How many items did Adalyn sell? |

Problem Set

Write an expression using letters and/or numbers for each problem below.

1. less than the quantity of times .
2. times the sum of and .
3. The square of reduced by .
4. The quotient when the quantity of plus is divided by .
5. Jim earned in tips, and Steve earned in tips. They combine their tips then split them equally.
6. Owen has collector cards. He quadruples the number of cards he has, and then combines them with Ian, who has collector cards.
7. Rae ran times as many miles as Madison and Aaliyah combined. Madison ran miles and Aaliyah ran miles.
8. By using coupons, Mary Jo was able to decrease the retail price of her groceries, , by .
9. To calculate the area of a triangle, you find the product of the base and height and then divide by .
10. The temperature today was degrees colder than twice yesterday’s temperature, .