Lesson 17: Write Expressions in Which Letters Stand for Numbers

Classwork

Exercises

Station One	1. The sum of a and b.
	2. Five more than twice a number c.
	3. Martha bought d number of apples and then ate 6 of them.
Station Two	1. 14 decreased by p.
	2. The total of d and f, divided by 8.
	3. Rashod scored 6 less than 3 times as many baskets as Mike. Mike scores b baskets.
Station Three	1. The quotient of c and 6.
	2. Triple the sum of x and 17.
	3. Gabrielle had b buttons but then lost 6. Gabrielle took the remaining buttons and split them equally among her 5 friends.

Station Four	1.	d doubled.
	2.	Three more than 4 times a number x.
	3.	Mali has c pieces of candy. She doubles the amount of candy she has then gives away 15 pieces.
Station Five	1.	f cubed.
	2.	The quantity of 4 increased by a, and then the sum is divided by 9.
	3.	Tai earned 4 points fewer than double Oden's points. Oden earned p points.
Station Six	1.	The difference between d and 8.
	2.	6 less than the sum of d and 9.
	3.	Adalyn has x pants and s 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. 4 less than the quantity of 8 times n.

2. 6 times the sum of y and 11.

3. The square of m reduced by 49.

4. The quotient when the quantity of 17 plus p is divided by 8.

5. Jim earned j in tips, and Steve earned s in tips. They combine their tips then split them equally.

6. Owen has c collector cards. He quadruples the number of cards he has, and then combines them with Ian, who has i collector cards.

7. Rae ran 4 times as many miles as Madison and Aaliyah combined. Madison ran m miles and Aaliyah ran a miles.

8. By using coupons, Mary Jo was able to decrease the retail price of her groceries, g, by \$125.

9. To calculate the area of a triangle, you find the product of the base and height and then divide by 2.

10. The temperature today was 10 degrees colder than twice yesterday's temperature, t.