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 scored 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 and 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 and 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 runs 4 times as many miles as Madison and Aaliyah combined. Madison runs m miles, and Aaliyah runs a miles.

8. By using coupons, Mary Jo is 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.

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