Use variables and appropriate operations to write an expression, an equation, an inequality, or a system of equations or inequalities that represents a verbal description 7AF1.1

59. Which of the following inequalities represents the statement, "A number, x, decreased by 13 is less than or equal to 39"?

A $13 - x \geq 39$

B $13 - x \leq 39$

C $x - 13 \leq 39$

D $x - 13 < 39$

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60. A shopkeeper has x kilograms of tea in stock. He sells 15 kilograms and then receives a new shipment weighing $2y$ kilograms. Which expression represents the weight of the tea he now has?

A $x - 15 - 2y$

B $x + 15 + 2y$

C $x + 15 - 2y$

D $x - 15 + 2y$

61. Divide a number by 5 and add 4 to the result. The answer is 9.

Which of the following equations matches these statements?

A $4 = 9 + \frac{n}{5}$

B $\frac{n}{5} + 4 = 9$

C $\frac{5}{n} = 4$

D $\frac{n+4}{5} = 9$

62. In a certain room, the number of chairs, c, is equal to 3 times the number of tables, t.

Which equation matches the information?

A $3 \bullet c = t$

B $3 \bullet t = c$

C $3 \bullet c = 3 \bullet t$

D $c \bullet t = 3$

63. At a local bookstore, books that normally cost b dollars are on sale for 10 dollars off the normal price. How many dollars does it cost to buy 3 books on sale?

A $3b - 10$

B $3b + 10$

C $3(b - 10)$

D $3(b + 10)$