NAME_____

1 In your own words, define "variable".

2 Janae is 3 years younger than twice the age of Mario.
Let m = Mario's age. How old is Janae?

   Ⓐ $2 \times J - 3$ Ⓑ $3 \times m - 3$ Ⓒ $2 \times m + 3$ Ⓓ $2 \times m - 3$ Ⓔ $2 \times m \div 3$

3 Translate the sentence below into an algebraic sentence.

"Fifteen more than the product of a number, m and six is equal to thirty-four."

   Answer: _____

4 Four 4th grade classes participated in the school's parade. There were 37 students and 1 teacher in each class. Which equation below could be used to determine the total number, n, of students and teachers who participated?

   Ⓐ $n = 4 + 37 + 1$ Ⓒ $n = 5 \times 37$ Ⓔ $n = 4(37 + 1)$

   Ⓑ $n = 4 \times 37 \times 1$ Ⓓ $n = 4(37 - 1)$

5 Ms. Sanchez bought 5 hotdogs for \$3.15 each and 5 sodas for \$1.25 each. Which expression below could be used to find the total amount of money she spent?

   Ⓐ $5 \times (3.15 - 1.25)$ Ⓒ $5 \times (3.15 \times 1.25)$ Ⓔ $1.15 \times (5 + 1.25)$

   Ⓑ $5 + 3.15 + 1.25$ Ⓓ $5 \times (3.15 + 1.25)$

LEVEL D: Algebra

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