

Forming Equations

1. Draw a line to match each word problem to the correct algebraic equation.

A. Haz thinks of a number. He divides it by 2. The answer is 20.5.

$$9n - 2 = 20.5$$

B. Jassy thinks of a number. She adds 20.5. Her answer is 22.5.

$$n \div 2 = 20.5$$

C. Po thinks of a number. He multiplies it by 9 and subtracts 2. His answer is 20.5.

$$n + 20.5 = 22.5$$

2. Write algebraic equations to match the information below.

A. Ben is making biscuits (b). He shares them between 6 people. They each get 5 biscuits.

B. Paulo has a bag of sweets (s). He is given 6 more. He has 15 sweets in total.

C. Lenny thinks of a number (n). He multiplies it by $\frac{1}{2}$ and then subtracts 4. His answer is 6.

3. Ellie thinks that her story matches the equation below.

$$m \div 4 - 1 = 5$$



I have some marbles. I share them between 4 friends. Then, I give each friend one more marble. My friends end up with 5 marbles each.

Is Ellie correct? Explain why.