

## Linear Equations Word Problems

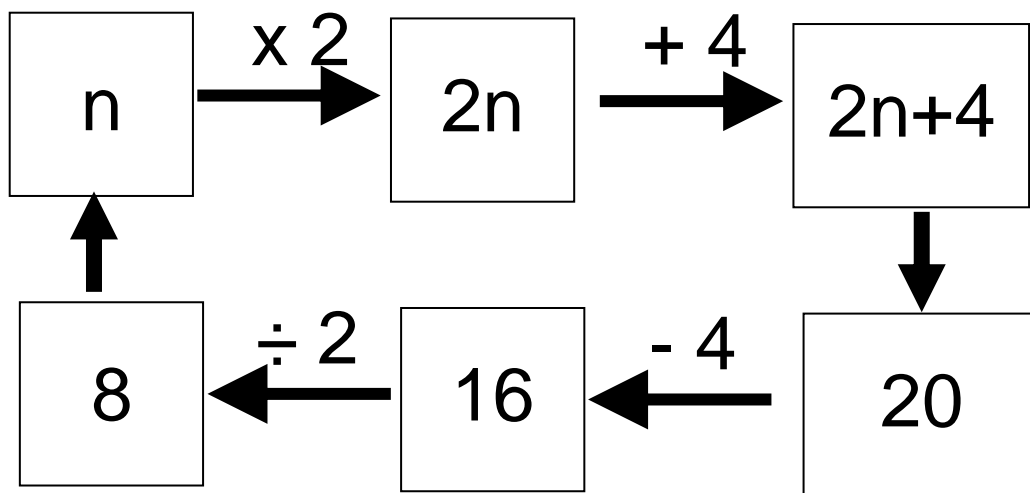
I think of a secret number.

I double it and then add 4. The result is 20.

- Define your variable.
- Write the equation.
- Solve the equation using any method you wish.
- Check your solution.

### Solution

- Let  $n$  = the secret number.
- $2n + 4 = 20$
- Using flowchart method:



$$n = 8$$

- $8 \times 2 = 16$   
 $16 + 4 = 20 \quad \checkmark$