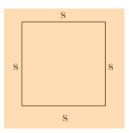
## Example 2:

P=2a+2b

- 1) If we had to solve for P, would we have to do anything? It's already solved for P. P is already by itself on the left side of the equation.
- 2) Solve for the letter a in P=2a+2b.
  - 2a) Move the 2b to the left side with subtraction: P-2b=2a
  - 2b) Divide both sides by 2 in order to isolate a:  $\frac{P-2b}{2} = \frac{2b}{2}$  simplify:  $\frac{P-2b}{2} = 0$



Example 3: Find the length of a side of a square whose perimeter is 32ft.

- 1) The perimeter of a square is P=s+s+s+s=4s
- 2) We begin with P = 4s and we solve for s.

Begin with this fact: P=4s

Divide both sides by the number 4: 
$$\frac{P}{4} = \frac{4s}{4}$$
  
Simplify on the right side:  $\frac{P}{4} = s$ 

- 3) You're told that P=32, so replace P with 32 and get s:  $s = \frac{32}{h} = 8$
- 4) This means the length of one side of the square is 8 feet.