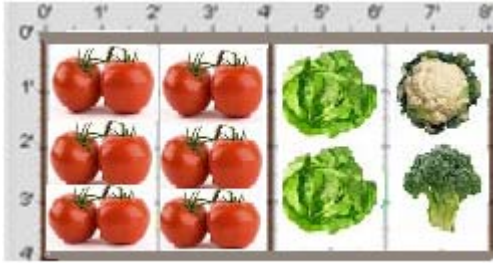


## Worksheet 2: Generalization

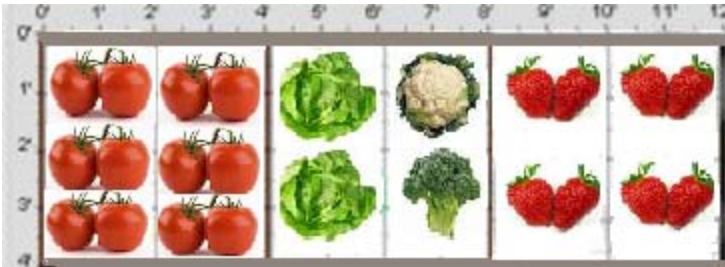
Jerry has a garden where he plants tomatoes, lettuce, cauliflower, and broccoli. His garden is 8 feet by 4 feet. How many feet of fencing does he need to buy to put up a fence that goes all the way around his garden?



$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Length                  Length                  Width                  Width                  Perimeter

Next year, Jerry wants to add a new section to his garden to grow strawberries. Now his garden is 12 feet by 4 feet. He needs to know the change in perimeter to find out how much more fencing he needs to buy. First calculate the perimeter of the new, bigger garden. Then calculate the change in perimeter.



$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Length                  Length                  Width                  Width                  Perimeter

**Calculating a change in perimeter:**

$$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Bigger Perimeter                  Smaller Perimeter                  Difference