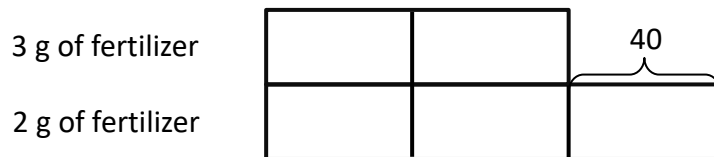


**Skill Set 5 – More with less (Whole Numbers)**

A farmer has some fertilizer to fertilize his plants. If he uses 2g of fertilizer per plant, he will be able to fertilize 40 more plants than if he uses 3g of fertilizer per plant. What is the mass of fertilizer that the farmer has?

**No. of plants**



***\*Inverse proportion – fewer plants can be fertilized if more fertilizer is used per plant. Thus, the number of units for the number of plants that can be fertilized for 3 g of fertilizer is 2 units and the number of units for the number of plants that can be fertilized for 2 g of fertilizer is 3 units.***

Total number of plants the farmer could fertilize if he uses 2 g per plant  
 $= 40 \times 3 = 120$

$$120 \times 2 = \mathbf{240g}$$

The farmer has **240g** of fertilizer.