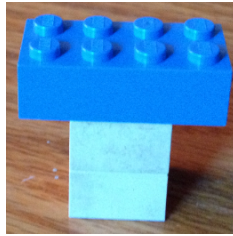


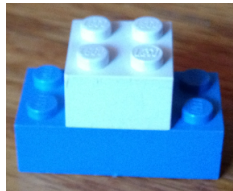
## A Bigger Lego Workshop Example

The Lego workshop business has taken off and now will offer three small Lego items for sale. In particular, the workshop offers a 'Tee,' a 'Cake,' and an 'I.' Here is a description and a picture of each item.

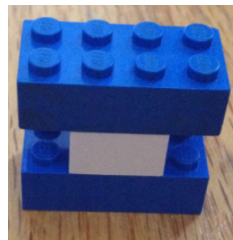
**Tee:** Requires 2 small bricks and 1 big brick. Sells for \$3. Upper bound of 40 sold per week.



**Cake:** Requires 1 small brick and 1 big brick. Sells for \$2.



**I:** Requires 1 small brick and 2 big bricks. Sells for \$4.



The workshop can now procure 200 small bricks and 200 big bricks a week. How many tees, cakes, and I's should the workshop make per week in order to maximize profits?