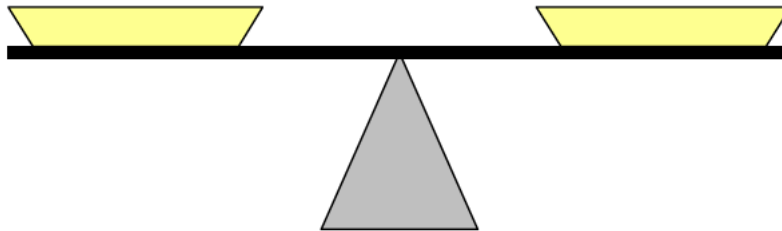


Meet the Balance Scale

Early Elementary 10/02/2011

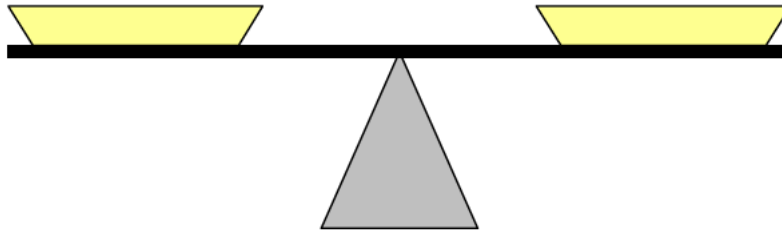
September 30, 2011

1. On a balance scale, we can balance 2 watermelons on one side and an 8 pound weight on the other. How much does a watermelon weigh? Start by drawing the watermelons and the weight on the picture below.



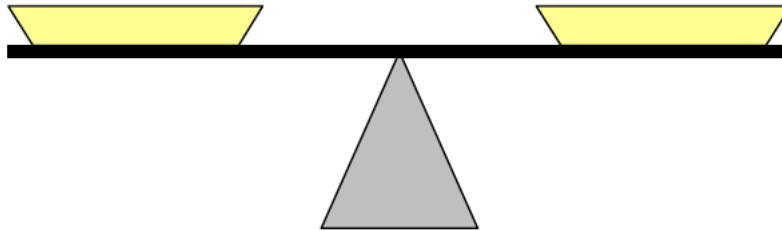
Weight of 1 Watermelon:

2. The weight of 2 grapefruits equals to the weight of a grapefruit plus a 1 pound weight. How much does a grapefruit weigh?



Weight of 1 Grapefruit:

3. The weight of 3 pumpkins equals to the weight of 1 pumpkin plus a 6 pound weight. How much does a pumpkin weigh?



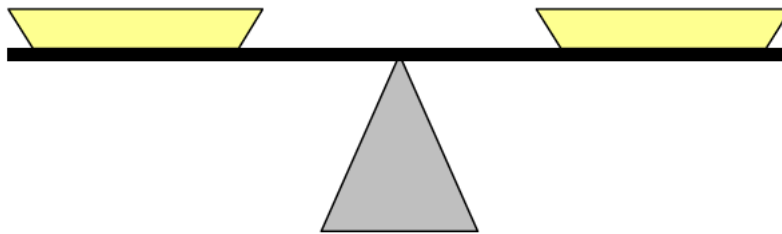
Weight of 1 Pumpkin:

Write down the weights of watermelon, grapefruit and pumpkin in the table:

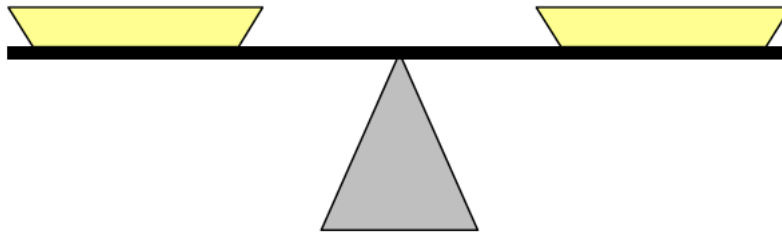
Fruit	Weight (in pounds)
Watermelon	
Grapefruit	
Pumpkin	

Use the table when working on the problems below

4. Joe puts 8 grapefruits on one side of the scale. How many watermelons must he put on the other side of the scale to balance the weight of the grapefruits?

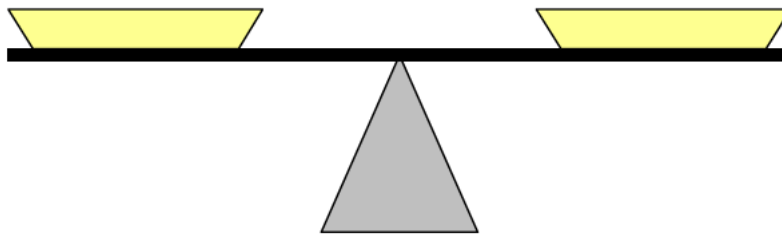


5. Alice puts 3 pumpkins on one side of the scale. There is a 5 pound weight on the other side of the scale.
- Is the scale balanced? Why or why not?



- Which side is heavier?
- Can Alice put several grapefruits on the lighter side so that the scale is in balance? How many grapefruits should she put?

6. Lisa puts 5 grapefruit on one side of the scale. There is a 2 pound weight on the other side of the scale.
- a. Is the scale balanced? Why or why not?



- b. Can Lisa add a watermelon or a pumpkin to one of the sides to balance the scale ?

7. The weight of a melon equal to the weight of half a melon plus 2 pounds. How much does a melon weight?

8. The weight of one papaya equals to the weight of a third of a papaya plus 2 pounds. How much does a papaya weigh?