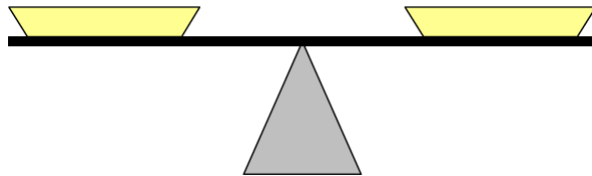
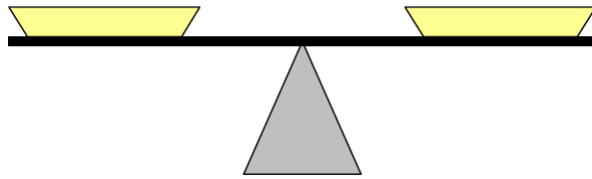


Early Elementary Week 2: Balance Scale

1. On a balance scale, we can balance 2 watermelons on one side and an 10 pound weight on the other. How much does a watermelon weigh? Start by drawing the watermelons and the weight on the picture below. Remember to box your answer.



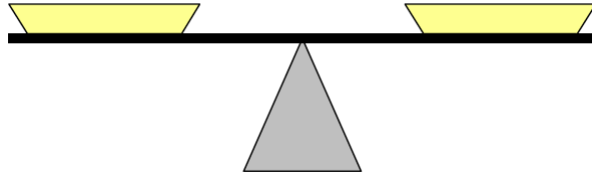
2. Lisa puts 7 watermelon on one side of the scale. There is a 50 pound weight on the other side of the scale. The weight of each watermelon is the same as in Question 1.



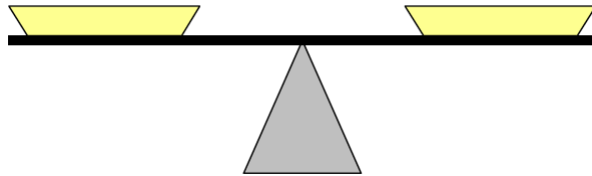
(a) Is the scale balanced? Why or why not?

(b) How many watermelons can Lisa put to balance the scale?

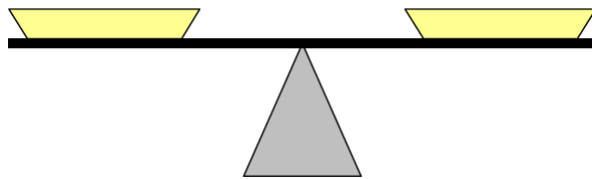
3. The weight of four magic bananas equals the weight of two magic bananas plus 8 pounds. How much does one magic banana weigh?



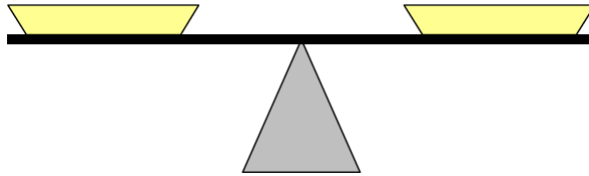
4. The weight of one papaya equals the weight of one fourth of a papaya plus 3 pounds. How much does a papaya weigh?



5. Stella observes that the weight of one coffee mug plus one hundred grams is equal to the weight of one tangerine and one stapler. Draw this on the first balance scale below.

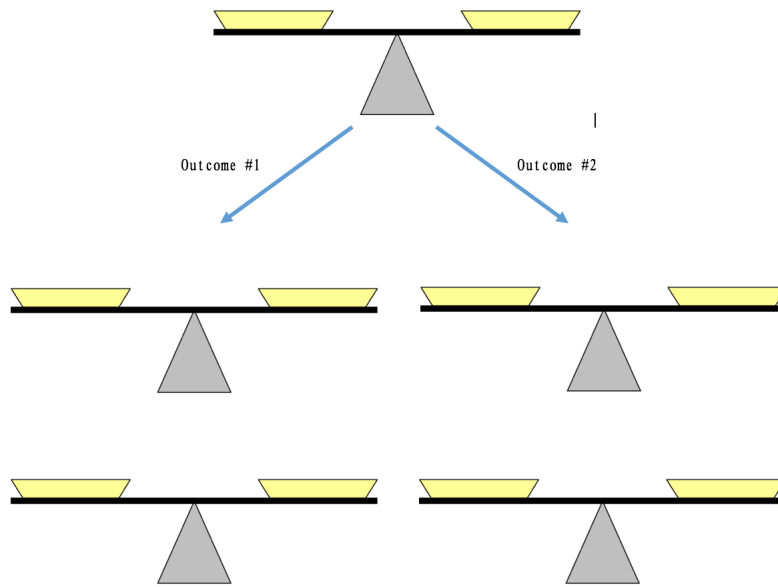


- She also observes that the weight of one coffee mug is equal to the weight of one tangerine plus two hundred grams. Draw this on the second balance scale below.

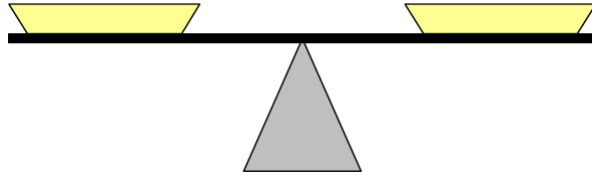
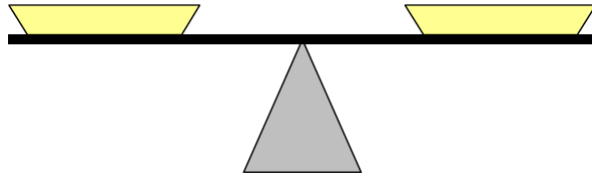


- How much does one stapler weigh?

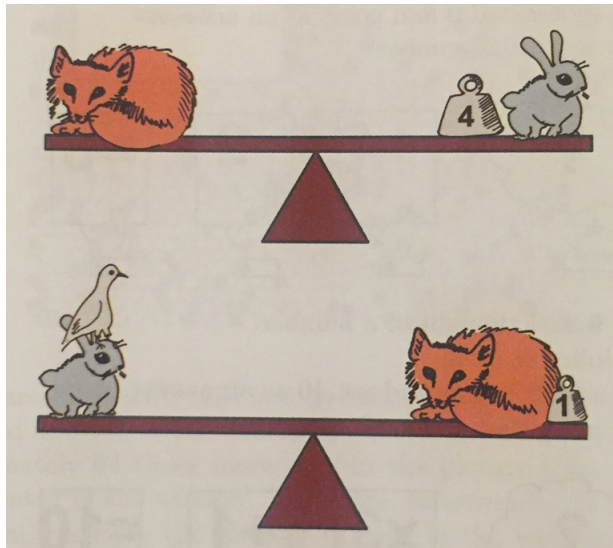
6. Suppose you have 5 coins. One of them is fake and lighter than the other two. Use the balance scale to find the fake coin. How many trials do you need to use? Draw the possible outcomes below.



7. Nicholas is experimenting with scales. He finds that the weight of an apple equals the weight of a tangerine plus 5 grams. He also finds that the weight of two apples equals the weight of an apple plus 60 grams. How much does a tangerine weigh?



CHALLENGE PROBLEM: Using the following scales, how much does the bird weigh? The weight on the picture is in ounces.



CHALLENGE PROBLEM: Using the following scales, how much does each animal weigh? The weight on the picture is in ounces.

