

Name: \_\_\_\_\_ Date: \_\_\_\_\_



Place the weights as shown in step 10. Hold the balance horizontally and let it free. What can you see? Why does this happen?

Move the two sides of the balance to a random position and let it free. What can you see now?



Place the weights as shown in step 11. Hold the balance horizontally and let it free. What can you see? Why does this happen?

There are two weights on the right side, keep only one. What can you see now?



Place the weights as shown in step 12. Hold the balance horizontally and let it free. What can you see? Why does this happen?



Try you own measurements with your team. Draw a sketch on where you have put the weights (in which hole of the balance). Predict what will happen and note down what finally happened.

Where I placed the weights	My prediction	What finally happened

*If you have time:*



Build the object you see in the picture below. Try to define its weight. You know that each weight weighs 2 grams.



Try to design a pointer, so that the balance always starts from a horizontal position.