

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

## Strawkets and Weight Activity – Weight Analysis Worksheet 1

### Part 1 – Paper Clip Tail Strawket

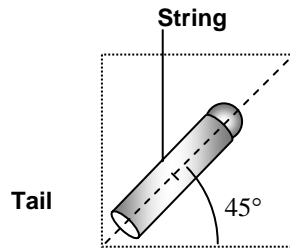
To find the center of gravity (CG) on your strawket, balance the strawket on its side on your finger. The spot touching your finger is the CG.

Sketch your strawket and mark the CG with a ⊗.

With no paper clips attached, could your strawket land in the cup on its tail? \_\_\_\_\_

How many paper clips did it take? \_\_\_\_\_

Add paper clips until the rocket hangs at a 45 degree angle like the following:



How many paper clips did it take? \_\_\_\_\_

Find the NEW CG and label it on your diagram.

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

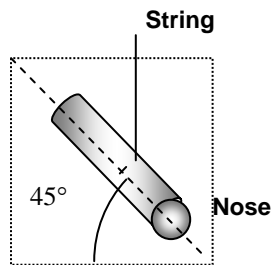
### Part 2 – Paper Clip Nose Strawket

Sketch your strawket and mark the CG with a ⊗.

With no paper clips attached, could your strawket land in the cup on it's nose? \_\_\_\_\_

How many paper clips did it take? \_\_\_\_\_

Add paper clips until the rocket hangs at a 45 degree angle like the following:



How many paper clips did it take? \_\_\_\_\_

Find the NEW CG and label it on your diagram!

Why is this result different from number of paper clips on the tail?

---

---

---

---