NAMES _____ _____

STRONG AS A NOODLE!

Place two desks 18 cm apart.
Lay a spaghetti noodle between the two desks.
Place your basket in the center of the noodle supported by a single string loop.
Add 1 gram weights into the cone one at a time until the noodle breaks.
Record the span (distance between the desks) and weight.
Repeat this 2 times and find the average.

Move the desks to 16 cm and repeat 2 times.

Continue to follow the pattern

Trial #	SPAN in cm	Weight In Grams Round to the tenths
1	18	
2	18	
	18 cm	Avg =
1	16	
2	16	
	16 cm	Avg =
1	14	
2	14	
	14 cm	Avg =
1	12	
2	12	
	12 cm	Avg =

Answer these questions on the back.

1. What were three variables in the experiment. These would be things that could have changed your results.

2. Which span had the largest average strength.? (What span length held the most weight?)

3. What problems did you have during the experiment?

4. Pick one problem and explain how you solved it.