Name ....   Date ....

My Favorite Fidget Spinner

Directions: Test each fidget spinner and look at its special features. Choose the one that is your favorite. Write its number on the line and give five reasons to tell why you like that one the best.

My favorite fidget spinner is #............................ **.**

I like it the best because...

1. ....

....

....

2. ....

....

....

3. ....

....

....

4. ....

....

....

5. ....

....

....

Building a Prototype

Materials:

Select the LEGO® pieces you need to build your fidget spinner prototype. Draw pictures of the materials or list them in the box below.

Describe the colors and design of your prototype.

Build your prototype. Draw a picture of it in the box.

Time and Cost of Materials

Designing a fidget spinner is fun, but you also want to make money selling it. All good business people know that to make money, they need to make their product in the least amount of time possible and with materials that are not too expensive. As part of the prototype process, you need to determine the time it takes to make your spinner and how much the materials cost.

Time

Take your prototype apart and time how long it takes to rebuild the spinner. Repeat the process 3 times, record your results below and circle the quickest time you recorded.

Time #1	
Time #2	
Time #3	

Cost of Materials

On average, the cost of a single LEGO® piece is $0.40. Count the number of LEGO® pieces you used, and multiply by $0.40 to determine the cost of making your fidget spinner.

Number of LEGO® pieces	
Cost of each LEGO® piece	x $0.40
Total cost of materials	

Fidget Spinner Price

Look at the amount of time it takes to produce your spinner and the cost of materials. What would be a reasonable price for your spinner?

Cost of Fidget Spinner: ....

Milestone #2 Inquiry Question

Directions: Use what you learned in this milestone to answer the question.

Why is it important to build a prototype before creating a large amount of a new product?

....

....

....

....

....