

Minute to Win It Data Collection Lesson

Set up and explain the 7 different MTWI stations. I chose these because all group members can participate and there is an actual number they can write down at the end of a minute.

1. **Spin Doctor** – each student has a coin (I used quarters). They must spin the coin on its edge and stop it while it is still vertical. Each stop counts as a point.

2. **Apple Stacking** – I brought a bag of 12 apples. Students had to stack the apples. I let them record the highest tower they made in the minute. It didn't have to still be standing at the end of the minute. (tallest was 7 apples)

3. **Dice Balance** – all group members had a craft stick in their mouth and they had to see how many dice they could balance on the stick. They took a total of the highest tower from all members in the group.

4. **Card Ninja** – one deck of cards and I used an empty Folgers container. They sat in chairs and had to fling one card at time. They counted the total cards that made it into the bucket.

5. **Rubber band Shooting** – I gave them 10 rubber bands and 10 empty toilet paper rolls. I just made up a tape line they had to stay behind and a tape square that the tubes had to be inside of. (Some groups will stack them up or put them close together. I let them put them how they wanted). They had to shoot the rubber bands and knock down as many tubs as they can. It was harder than they thought! I told them they had to stay behind the line – the ones that laid down or squatted had to best luck knocking them down.

6. **Stack attack** – I used small plastic cups (like you use in a bathroom) and then card stock cut in half. They have to start with 2 cups and then 1 piece of card stock, then continue to pattern. Two cups and one piece of cardstock is counted as 1 layer. They are building one tower for the group (not individual ones).

7. **Penny Stack** – using their non-dominant hand, they had to take one penny at a time from a basket and create one tower. They had to stack as many as they could.

Once the stations were complete, I showed this on my screen for them to type.

	A	B	C	D	E	F	G	H
1	Minute to Win It Data							
2		Dice Balance	Stack Attack	Apple Stack	Rubber band Shooting	Penny Tower	Spin Doctor	Card Ninjas
3	Group 1							
4	Group 2							
5	Group 3							
6	Group 4							
7	Group 5							
8	Group 6							
9	Group 7							
10								
11								
12								

Skills we covered:

Merge and Center (Title)
 Wrap Text (Headings)
 Auto Fill (Group 1 column)
 Font, Fill and Alignment (formatting)
 Two types of Charts
 Moving Charts to a different Sheet
 Formatting Charts

I started with Dice Balance and one speaker from each group read their data for that category. So, we filled in the data together.

We added "TOTALS" to cell A10 and H2

We created Sum formulas and Auto filled them to the left and down

Each student had to make a single graph for their Group's data.

Then we created a Clustered Chart to compare all of the data.

We moved the Clustered Chart to a New Sheet before we formatted it.

Key Points:

Don't ever include your TOTAL number in the graph.

Make sure the graph has an appropriate title.

Make sure your graph makes sense – if not, reselect your data and try again

Pay attention to the Print Preview before printing so it is on one page

Change orientation to Landscape

Fit to one page option