



Worksheet 2 — How Full Is Our Bin?

Investigation 2 — Student Worksheet

Names: _____ **Date:** _____

Step 1 — Find our bin and take today's reading

Our device ID is _____.

Take today's reading: press the device's button (or plug in the powerbank if your device has no switch), then wait for the long beep.

Right now our bin is _____ % full.

The last reading was at _____ (time).

Step 2 — Read the graph

Write the fill level at the end of each school day.

Day	Fill level (%)	Anything unusual?
Day 1: _____		
Day 2: _____		
Day 3: _____		
Day 4: _____		
Day 5: _____		

Step 3 — Biggest and smallest

Circle the highest value in your table. Underline the lowest.

We made the most rubbish on _____ and the least on _____.

Step 4 — Calculate the average

Average = (Day 1 + Day 2 + Day 3 + Day 4 + Day 5) ÷ 5

Average = (_____ + _____ + _____ + _____ + _____) ÷ 5 = _____ %



Step 5 — Describe the trend

In one sentence: is our bin filling faster, slower, or about the same each day?

Step 6 — Predict

I predict that tomorrow at home time the bin will be _____ % full.

My reason:

Step 7 — Reflect

One thing the data told me about our class is...

Next day — Check your prediction

The real reading was _____ %. I was _____ % away.

Fun fact: your bin isn't magic — a small distance sensor under the lid measures how far down the rubbish is, sends it over the internet to the cloud, and the dashboard turns it into the graph you used today.