

## Day 1: Collect Data

**Lesson Target:** Student will understand what “collect data” means.  
Student will organize data.

Process	Activities/Expected Students' responses	Teacher's Support
Understand the Goal (5 min.)	<b>How do you organize Data?</b>	4 different colored butcher papers
Explore/ Investigate/Solve (30 min.)	<p><b>Teach:</b> Define Data and Collecting Data  <b>T:</b> We are going to talking about Data and graph next few days.</p> <p><b>T:</b> What do you know about data?  <b>S:</b> Information.  <b>S:</b> Information from computer.  <b>T:</b> Data is pieces of information. It can be anything.</p> <p><b>Explain</b> how to collect data today.  <b>T:</b> I am going to read a question. You are going to enter your data.</p> <p><b>Engage</b> activities            Students enter each data in a sticky note.            When all questions are given, they put their data in the chart paper that labeled the title.            Assign groups to organize data in the chart.            Have them Presentation</p> <p><b>Conclude:</b>  <b>T:</b> Your data organization is very similar to the graph. You will be making graph by adding some more information.</p>	<p><b>Make</b> a Class Chart</p> <p><b>Facilitate</b> a discussion</p> <p>Questions:            1. Which fruit do you like, orange, grape, banana, or apple?            2. Which animals would you like to read about, dinosaurs, horse, or cheetah?            3. Which pets do you have, dog, cat, fish, turtle, bird, other, or none?            4. Which wheels are your favorite, skate boards, roller skate, or bicycle?</p>
Conclude (10 min.)	<p><b>Journal Entry:</b></p> <ol style="list-style-type: none"> <li><b>1. What is similar between your chart paper and graph sample shown on the screen?</b></li> <li><b>2. What is a difference?</b></li> </ol>	

### Assessment:

- **Notice** bar graph and their data collection are organized by the category.
- **Notice** bar graph has lines and words.