Hide and Seek!

Procedure

1. **Collaborate** Work in a small group. Use the hole-puncher to punch 50 dots from each sheet of colored paper. Different color dots represent different insect species.

2. **Predict** Predict the color of insect you think would be hardest for a bird to see against a tree trunk with yellow bark. Record your prediction.

3. **Use Models** Lay the cloth flat. The cloth represents the yellow bark. Scatter the dots randomly on the cloth. Kneel at the edge of the cloth. When your teacher says “go,” collect as many dots as possible, one at a time. Stop after 15 seconds.

4. **Record Data** Count the number of each color dots your entire group collected. Record your data in the row marked “Hunt 1” on the chart below. Set aside the “insects” you picked up. Then repeat step 3 two more times for Hunt 2 and Hunt 3.

<table>
<thead>
<tr>
<th>Hunt</th>
<th>Blue</th>
<th>Yellow</th>
<th>Green</th>
<th>Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hunt 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hunt 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hunt 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
Conclusion

1. **Analyze Data**  Total each column. Which color insect had the fewest members collected? Explain why. Did this result match your prediction?

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2. **Hypothesize**  Develop a hypothesis about how a tree with yellow bark might help a yellow insect. What type of relationship would the tree and insect have? What evidence supports your hypothesis?

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Ask Questions

What are some real organisms that help one another? What questions do you have about them? Use library and Internet resources to do research. Write an illustrated report to summarize your findings.

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