

GATHERING DATA

Practice Gathering and Displaying Data

CLASSROOM ACTIVITIES

- 1) Select a topic for learners to gather data on.
Select items that can be easily spotted around the classroom or in the school yard.
Some examples: school supplies (pencils & erasers), types of books (storybooks & math books), or the building's structure (doors & windows).
- 2) Divide the class into small groups (between 2-3 members in each group).
- 3) Give each group the "Classroom Items" worksheet (see next page).
- 4) Instruct learners to look around the classroom for items in the topic you selected. They should make a tally of how many of those they see.
- 5) Start a class discussion about how many items each group has counted. If there is a disagreement about the total, count them as a class.
- 6) Ask learners which category has the most/least.
- 7) Ask learners to list other related items they found around the classroom. Make a list on the board and write how many are in each new category.
For example, if you are looking at school supplies, they might notice many rulers.
- 8) Have one half of the class display this data in a table, and the other half with a bar graph. They can use the back of the worksheets.
- 9) Combine one "table" and one "bar graph" group together. Each group should explain their work to the other.
- 10) As one larger group, they should discuss:
 - Which helps them quickly see which category has the most/least
 - Which is easier to see the total
 - How they might rearrange their data (example: display from least to most).

CLASS FAVOURITES

- 1) Divide the class into small groups (between 2-3 members in each group).
- 2) Give each group the "Class Favourites" worksheet (see last two pages).
- 3) Assign or ask each group to pick a topic (ex: colours, sports, class subjects). To keep things interesting, each group should have a different topic.
- 4) Have the groups meet with each other to ask about their favourite things. In order to keep it manageable, you can rephrase the question so that there are only 3-5 options. For example, "Do you prefer the colour blue, green, or red?" or "Do you prefer baseball, basketball, soccer, or hockey?"
- 5) Once learners have asked everyone in the class for their answer, they fill in the worksheet, creating a table and filling in the bar graph.
Note: you can ask them to create a pictograph instead.
- 6) Ask each group to present their findings to the class. They should mention which answers were the most and least frequent.



Name: _____ Date: _____

CLASSROOM ITEMS

Fill in the table. What is the topic and two items you're looking for? How many of each item can you find?

Main Topic:	
Category	How many?

Which of these has the least amount?

What is another type of related item you see in the classroom?

How many of these do you see?

How many items are there in total?





Name: _____ Date: _____

CLASSROOM FAVOURITES

How many students are there in your class? _____

I will ask my classmates about their favourite: _____

Fill out the table based on what your classmates tell you they like:

Category	How many?
Total	

What answer is the most common? _____

What answer is the least common? _____



Put this information into a bar graph. Don't forget to label each category and write the total in each box.


