

You can use a **Y chart** to compare two topics. List differences in the branches and similarities in the base of the Y. Here is an example of a Y chart that compares solving equations and solving inequalities.

Solving Equations

- The sign between two expressions is an equal sign, =.
 - One number is the solution.

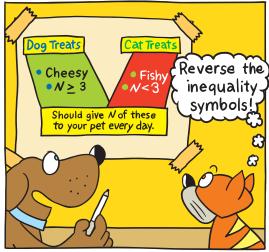
Solving Inequalities

- The sign between two expressions is an inequality symbol: <, >,
 ≤, or ≥.
- More than one number can be a solution.
- Use inverse operations to group numbers on one side.
- Use inverse operations to group variables on one side.
- Solve for the variable.

On Your Own

Make a Y chart to help you study and compare these topics.

- **1.** writing equations and writing inequalities
- **2.** graphing the solution of an equation and graphing the solution of an inequality
- **3.** graphing inequalities that use > and graphing inequalities that use <
- **4.** graphing inequalities that use > or < and graphing inequalities that use ≥ or ≤
- **5.** solving inequalities using addition and solving inequalities using subtraction



"Hey Descartes, do you have any suggestions for the Y chart I am making?"

After you complete this chapter, make Y charts for the following topics.

- **6.** solving inequalities using multiplication and solving inequalities using division
- 7. solving two-step equations and solving two-step inequalities
- **8.** Pick two other topics that you studied earlier in this course and make a Y chart to compare them.