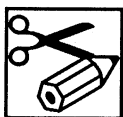


# Family TV

Leader



Make predictions and collect data.



You will need:

- Television
- TV Use Data Collection Chart (see Materials Page)
- Cooperative family members



Do this:

The researcher must:

- Think about the family's television habits. Predict the number of hours the television will be on in one 24-hour day and in one two-week period of time. (If there is more than one TV in the home, the prediction should include all the TV's. Record the predictions:  
One 24-hour day: \_\_\_\_\_ hours  
One two-week period: \_\_\_\_\_ hours
- Draw as many data collection charts as there are television sets in the home.
- Explain to family members that their help is needed in collecting information on the use of television in the home. Show them the "TV Use Data Collection Chart" and ask them to sign in when they turn the TV on and sign out when they turn the TV off—always writing in the time and the date. If more than one person is watching the same TV at the same time, only one entry—with both names—should be placed on the chart.
- Tape a copy of the chart to every TV and check it twice daily to be sure it is being used correctly.
- When a data chart has been filled up, replace it with a clean one.
- For each day entered on the completed chart, calculate the total number of minutes each day, and the total for each week. Write the total minutes for each day in the 6th column of the data collection cart.
- Change the total number of minutes to total number of hours by dividing by 60.  
(1 hour = 60 minutes)
- Record the calculations on the data collection chart.
- Find the average number of hours per day by adding the total hours for the 14 days and then divide the sum by 14.
- Summarize the research on the form provided on the Student's Page.
- The "Research summary" can be used to share the findings of this project with the family.
- Math Power Challenge
  1. Make a data table of the total hours each family member watched television in one day or in one week.
  2. Make a bar graph of the data in your table.





Student \_\_\_\_\_



Do this:

- Predict the number of hours your family's TV is on:  
in one 24-hour day: \_\_\_\_\_ hours  
One two-week period: \_\_\_\_\_ hours
- Collect data on your family's use of television over a two-week period.
- Convert viewing time in minutes to viewing time in hours.
- Complete the following:



### WHAT I FOUND

## RESEARCH SUMMARY

- a. Dates covered by research \_\_\_\_\_ to \_\_\_\_\_.
- b. Number of family members participating in this research project \_\_\_\_\_
- c. Data Table

Day	Date	Total Hours
Day 1		
Day 2		
Day 3		
Day 4		
Day 5		
Day 6		
Day 7		
Total hours for week =		

Day	Date	Total Hours
Day 1		
Day 2		
Day 3		
Day 4		
Day 5		
Day 6		
Day 7		
Total hours for week =		

- d. Total hours TV was on during the two-week period: \_\_\_\_\_
- e. Average number of hours TV was on daily: \_\_\_\_\_
- f. From the data collected, I learned that: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- g. When I compare my predictions to the actual data, I think that: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_