

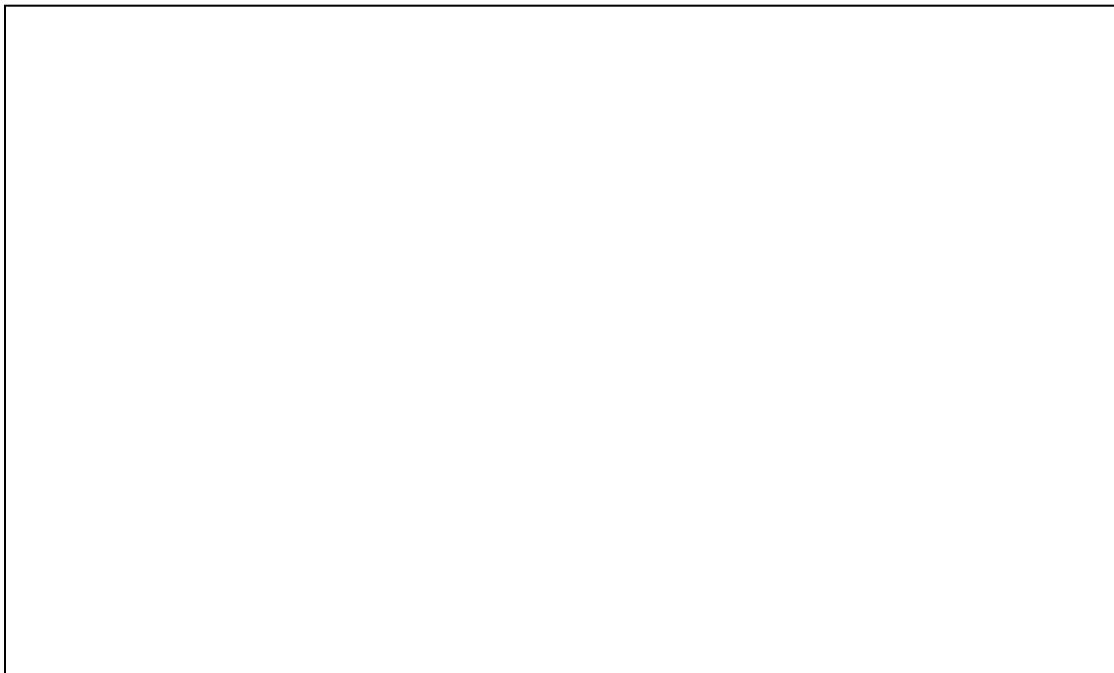
**Name:**

## **TV Survey**

Mr. Smith's fourth grade class conducted a survey to find out how many hours of TV the average fourth grader watches each day. They asked 25 fourth graders from all different classes and collected the following data:

| <b>No. of hours</b> | <b>Tally</b>                    | <b>Total</b> |
|---------------------|---------------------------------|--------------|
| 0                   |                                 |              |
| 1                   |                                 |              |
| 2                   | +                               |              |
| 3                   |                                 |              |
| 4                   |                                 |              |
| 5                   |                                 |              |
| 6                   |                                 |              |
| 7                   |                                 |              |
| 8                   |                                 |              |
| 9                   |                                 |              |
| 10                  |                                 |              |
|                     | <b>Total Number of Students</b> |              |

1. Complete the tally chart above by filling in the Total column.
2. Create a bar graph of the data results. Be certain to include all labels.



3. Analyze the survey results and write a paragraph about the TV viewing habits of the typical fourth grader.

4. Mr. Smith's class enjoyed collecting data for this survey. They plan to find out more about fourth graders' TV watching habits. List three questions they might include in a new survey and explain why that information would be important or interesting to know.

5. The Nielsen Ratings are very important to TV shows, networks and advertisers. The Nielsen Company cannot survey every person who watches TV so they pick a sample to ask about which shows they watch each sweeps period. The Nielsen Ratings are the results of that survey of a few TV viewers. TV networks decide which shows to keep and which shows to drop, based on those ratings. This means your favorite show may be dropped because the Nielsen sample viewers didn't watch it. Do you think this is a fair way to decide which TV shows you will be able to watch? Why or why not?

6. Someone has suggested that TV viewers phone in for their favorite shows, just as viewers voted for their favorite American Idol. Is this a better plan? Explain why or why not.