

## Making a Bar Graph

Use this information to help you make a bar graph for your findings in the Test It! on page 60.

### What You Need

graph paper  
pencil  
ruler  
coloured pencils

### What to Do

1. On your graph paper, draw a rectangle at least 7 squares wide and 20 squares high.
2. Mark the  $x$ -axis. (This is the horizontal line running along the bottom of the graph.)
  - Leave the first square blank.
  - Mark where the bar for each change in the surface area of a tablet will go. Describe each change below where its bar will go.
  - Leave an empty square between the bar for each tablet.
  - Label the  $x$ -axis: Surface Area of Tablets.
3. Mark the times, in seconds, on the  $y$ -axis. (This is the vertical line running along the side of the graph.)
  - Decide what scale to use on the  $y$ -axis.
  - Label the  $y$ -axis: Time (s).
4. Mark the time it took for each tablet to dissolve in the related column.
  - Colour each bar.
5. Title your graph: Surface Area and Rate of Change.