

# Zooming Integers— Hundreds, Thousands, and Beyond

Name: \_\_\_\_\_

How well can you estimate the locations of unmarked points on a number line?

## EXPLORE

1. Open **Zooming Integers--Hundreds, Thousands, and Beyond.gsp**.  
Go to page “0–100.”
2. Estimate the location of the red point. Then, press *Zoom* to magnify the number line. How good was your estimate? Record your estimate and the actual location for each point in the table below.

To play again, press *New Random Point*.

Estimate	Actual Location

3. Go to page “0–1,000.” Estimate the location of the red point. Then press *Zoom* to magnify the number line. Make a new estimate. Record both estimates in the table. Magnify again to reveal the actual location for each point in the table below.  
To play again, press *New Random Point*.

Estimates	Actual Location

4. Go to page “0–10,000.” Estimate the location of the red point. Press *Zoom* then refine your estimate. Keep magnifying and make a better estimate each time. Record your estimates and the actual location for each point in the table below.

To play again, press *New Random Point*.

Estimates	Actual Location

5. Go to page “0–100,000.” Estimate the location of the red point. Press *Zoom* then refine your estimate. Keep magnifying and make a better estimate each time. Record your estimates and the actual location for each point in the table below.

To play again, press *New Random Point*.

Estimates	Actual Location