

Zooming Decimals— Exploring Tenths

Name: _____

You will estimate the location of unlabeled points on a number line.

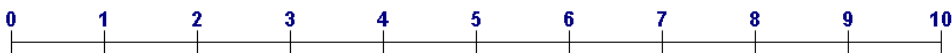
EXPLORE

1. Open **Zooming Decimals--Exploring Tenths.gsp**. Go to page “Tenths.”

Work with a partner. Take turns either moving a red point on a number line or estimating its location. Follow these steps:

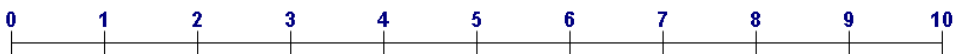
- Partner 1 drags the red point anywhere on the number line.
- Partner 2 estimates its location.
- Partner 2 presses the *Zoom* button and identifies the exact location of the point.
- Partner 2 presses the *Show Location* button to check.
- Press the *Reset* button and switch roles.

2. Sketch the location of the red point on the number line below. Write down your estimate of its location. Then after zooming in, write down the point’s exact location.



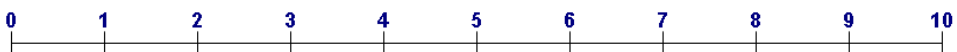
Estimate: _____ Exact Location: _____

3. Sketch the location of the red point on the number line below. Write down your estimate of its location. Then after zooming in, write down the point’s exact location.



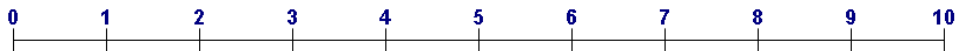
Estimate: _____ Exact Location: _____

4. Sketch the location of the red point on the number line below. Write down your estimate of its location. Then after zooming in, write down the point’s exact location.



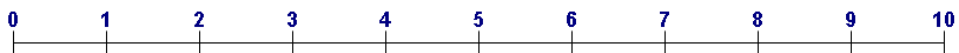
Estimate: _____ Exact Location: _____

5. Sketch the location of the red point on the number line below. Write down your estimate of its location. Then after zooming in, write down the point's exact location.



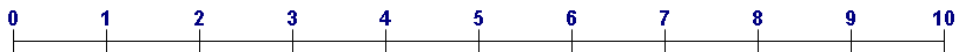
Estimate: _____ Exact Location: _____

6. Sketch the location of the red point on the number line below. Write down your estimate of its location. Then after zooming in, write down the point's exact location.



Estimate: _____ Exact Location: _____

7. Sketch the location of the red point on the number line below. Write down your estimate of its location. Then after zooming in, write down the point's exact location.



Estimate: _____ Exact Location: _____

8. Explain what strategies you used to estimate the location of the red point.
