

Developing an Understanding for Square Root

Part III

- Use the geoboard and a rubber band to create a square whose sides are either horizontal or vertical segments.
- With another rubber band create an inscribed square inside the original square.
- Collect data on the area the inscribed square and the length of the sides of the squares you create. Use a square root statement for the exact length.
- Find an approximate value for each square root. Record the approximate length of the side in the chart.
- Write a square root statement using the approximation.

| For Each Inscribed Square | | | |
|---------------------------|----------------------------|---------------------------------|---|
| Area | The Exact Length of a Side | Approximate Length of Each Side | Square Root Statement using the Approximation |
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