**Finding Area Applet**

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| **Which standard? (from PSSM)**   * **Analyze characteristics** * Specify locations * Apply Transformations * **Use Visualization** | \* | *Rationale*: |
| **What mathematical content is being learned (or intended to be learned)?**   * Whole numbers * Place value * Fractions * Addition * Subtraction * Multiplication * Division | \* | *Rationale*: |
| **Is the focus on instrumental or relational understanding?**   * instrumental understanding (carrying out procedures) * relational understanding (understanding the meaning of mathematical words and symbols; connections among ideas) | \* | *Rationale*: |
| **What role does technology play?** | \* | *Response*: |
| **What instructional function(s) does the resource serve?**   * practice (i.e., practicing skills or knowledge already learned) * direct instruction/explanation (i.e., explaining or presenting content to students) * learning through exploration (i.e., provides context in which students can see new relationships; come to new understandings) | \* | *Rationale*: |
| **What kinds of representations of the mathematics are used?**   * symbolic (i.e., numerals, symbols) * graphical (i.e., standard graphical notation such as Cartesian (X-Y) coordinate system, bar graph, pie chart) * visual/spatial (e.g., circles or squares with lines to show fractions) * concrete or real-world objects (e.g., images of base-10 blocks, puppies, or jars) * dynamic (mathematical ideas represented through motion or sound) | \* | *Rationale*: |