

**Related Practice****Math in Action Video: Sculpture****Sculptor: Mary Ann Mears**

**Directions:** Complete the following activities to enhance your viewing of the Math in Action video and reinforce your understanding of math concepts.

**Math in Action: Scale Drawings**

Using a scale of 1.5 inches = 1 foot, determine the actual height of a sculpture whose model is 6 inches tall.

**Math in Action: Designing a Sculpture**

Sketch a design for a sculpture that could be placed in front of your school. Determine a scale for your sculpture and then calculate the actual height and width of your sculpture.

**Math in Action: Drawing a Triangle**

The base of the Silver Spring sculpture was in the shape of a triangle. Draw a triangle for a model of this sculpture that has a base of 3 inches and base angles of  $30^\circ$  and  $45^\circ$ .