

Related Practice – Answer Key
Math in Action Video: Sculpture
Sculptor: Mary Ann Mears

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.

Answer:

$$\frac{1.5 \text{ inches}}{6 \text{ inches}} = \frac{1 \text{ foot}}{x \text{ feet}}$$

$$1.5x = 6$$

$$x = 4 \text{ feet}$$

The sculpture is 4 feet 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.

Student answers will vary.

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° and 45° .

Answer:

