

# Chapter 8 Mental Imagery: Estimating Area

## Answers

A. For example, the rectangle drawn around the polygon has an area of  $12 \text{ cm}^2$  and the polygon's area covers less than that.

B. For example,  $8 \text{ cm}^2$ .

1. a) For example,  $18 \text{ cm}^2$

b) For example,  $1.5 \text{ cm}^2$

c) For example,  $7.5 \text{ cm}^2$

2. For example: The rectangle surrounding the polygon has an area of  $24 \text{ cm}^2$ . I estimate the area of the polygon to be about  $\frac{3}{4}$  of the area of the rectangle, or about  $18 \text{ cm}^2$ .

