Problem 4

Spacing in this book was generally done in units of points and picas: 12 points = 1 pica, and 6 picas = 1 inch. If a figure was misplaced in the page proofs by 0.80 cm, what was the misplacement in (a) picas and (b) points?

Solution

Part (a)

Convert from centimeters to picas.

$$0.80 \text{ cm} = 0.80 \cancel{\text{cm}} \times \frac{1 \cancel{\text{in}}}{2.54 \cancel{\text{cm}}} \times \frac{6 \text{ picas}}{1 \cancel{\text{in}}} \approx 1.9 \text{ picas}$$

Part (b)

Convert from centimeters to points.

$$0.80 \text{ cm} = 0.80 \cancel{\text{cm}} \times \frac{1 \cancel{\text{in}}}{2.54 \cancel{\text{cm}}} \times \frac{6 \cancel{\text{picas}}}{1 \cancel{\text{in}}} \times \frac{12 \text{ points}}{1 \cancel{\text{pica}}} \approx 23 \text{ points}$$