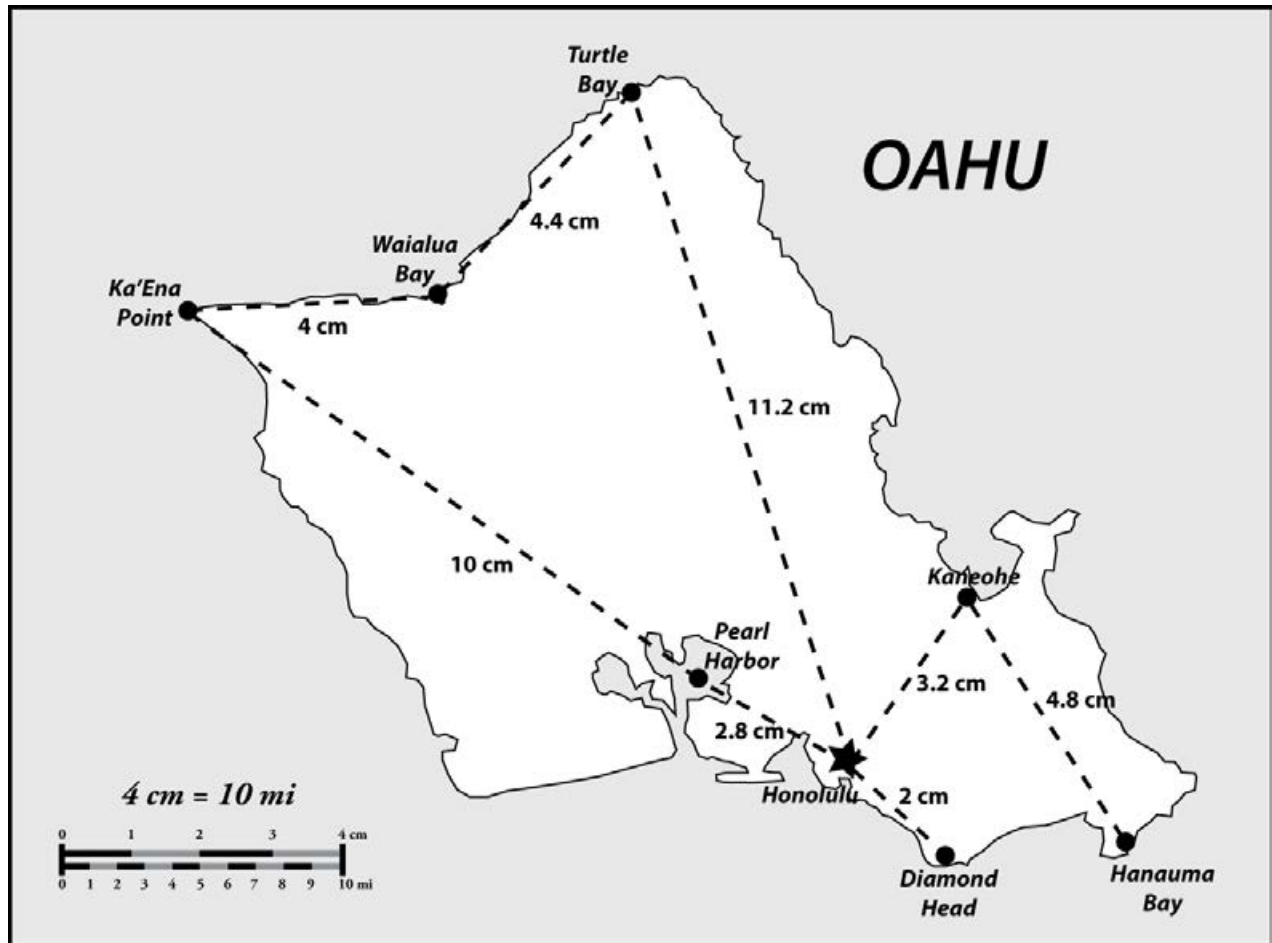


Scaled Drawing Problems - page 1

Instructions: Use this map to answer the questions below and on the following page.



note: all measurements are approximate, printout may not be to scale

1 How many miles is it from Honolulu to Diamond Head?

$$\frac{4 \text{ cm}}{10 \text{ mi}} = \frac{2 \text{ cm}}{n \text{ mi}}$$

$$4 \times n = 10 \times 2$$

$$\frac{4 \cancel{\times} n}{\cancel{4}} = \frac{20}{4}$$

$$n = 5 \text{ miles}$$

2 How many miles is it from Honolulu to Pearl Harbor?

$$\frac{4 \text{ cm}}{10 \text{ mi}} = \frac{2.8 \text{ cm}}{n \text{ mi}}$$

$$4 \times n = 10 \times 2.8$$

$$\frac{4 \cancel{\times} n}{\cancel{4}} = \frac{28}{4}$$

$$n = 7 \text{ miles}$$

Scaled Drawing Problems - page 2

Instructions: Use the map on the previous page to answer these questions.



see previous page

- 3 How many miles is it from Honolulu to Turtle Bay?

$$\frac{4 \text{ cm}}{10 \text{ mi}} = \frac{11.2 \text{ cm}}{n \text{ mi}}$$

$$4 \times n = 10 \times 11.2$$

$$\frac{\cancel{4} \times n}{\cancel{4}} = \frac{112}{4}$$

$$n = 28 \text{ miles}$$

- 4 How many miles is it from Turtle Bay to Waialua Bay?

$$\frac{4 \text{ cm}}{10 \text{ mi}} = \frac{4.4 \text{ cm}}{n \text{ mi}}$$

$$4 \times n = 10 \times 4.4$$

$$\frac{\cancel{4} \times n}{\cancel{4}} = \frac{44}{4}$$

$$n = 11 \text{ miles}$$

- 5 How many miles is it from Pearl Harbor to Ka'Ena Point?

$$\frac{4 \text{ cm}}{10 \text{ mi}} = \frac{10 \text{ cm}}{n \text{ mi}}$$

$$4 \times n = 10 \times 10$$

$$\frac{\cancel{4} \times n}{\cancel{4}} = \frac{100}{4}$$

$$n = 25 \text{ miles}$$

- 6 How many miles is it from Honolulu to Kaneohe?

$$\frac{4 \text{ cm}}{10 \text{ mi}} = \frac{3.2 \text{ cm}}{n \text{ mi}}$$

$$4 \times n = 10 \times 3.2$$

$$\frac{\cancel{4} \times n}{\cancel{4}} = \frac{32}{4}$$

$$n = 8 \text{ miles}$$

- 7 How many miles is it from Kaneohe to Hanauma Bay?

$$\frac{4 \text{ cm}}{10 \text{ mi}} = \frac{4.8 \text{ cm}}{n \text{ mi}}$$

$$4 \times n = 10 \times 4.8$$

$$\frac{\cancel{4} \times n}{\cancel{4}} = \frac{48}{4}$$

$$n = 12 \text{ miles}$$

- 8 How many miles is it from Ka'Ena Point to Waialua Bay?

$$\frac{4 \text{ cm}}{10 \text{ mi}} = \frac{4 \text{ cm}}{n \text{ mi}}$$

$$4 \times n = 10 \times 4$$

$$\frac{\cancel{4} \times n}{\cancel{4}} = \frac{40}{4}$$

$$n = 10 \text{ miles}$$