Lesson 16: Relating Scale Drawings to Ratios and Rates

Problem Set

For Problems 1–3, identify if the scale drawing is a reduction or an enlargement of the actual picture.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	1. Actual Picture b. Scale Drawing



1. ****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Actual Picture



1. Scale Drawing
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	1. Actual Picture b. Scale Drawing



1. Using the grid and the abstract picture of a face, answer the following questions:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | $$A$$ | $$B$$ | $$C$$ | $$D$$ |
| $$F$$ |  |  |  |  |
|  $G$ |  |  |  |  |
| $$H$$ |  |  |  |  |
| $$I$$ |  |  |  |  |

* 1. On the grid, where is the eye?
	2. What is located in $DH$?
	3. In what part of the square $BI$ is the chin located?
1. Use the blank graph provided to plot the points and decide if the rectangular cakes are scale drawings of each other.

Cake 1: $(5,3)$,$ (5,5)$,$ (11,3)$, $(11, 5)$

Cake 2: $ (1,6)$, $(1, 12)$,$(13,12)$, $(13, 6)$

How do you know?