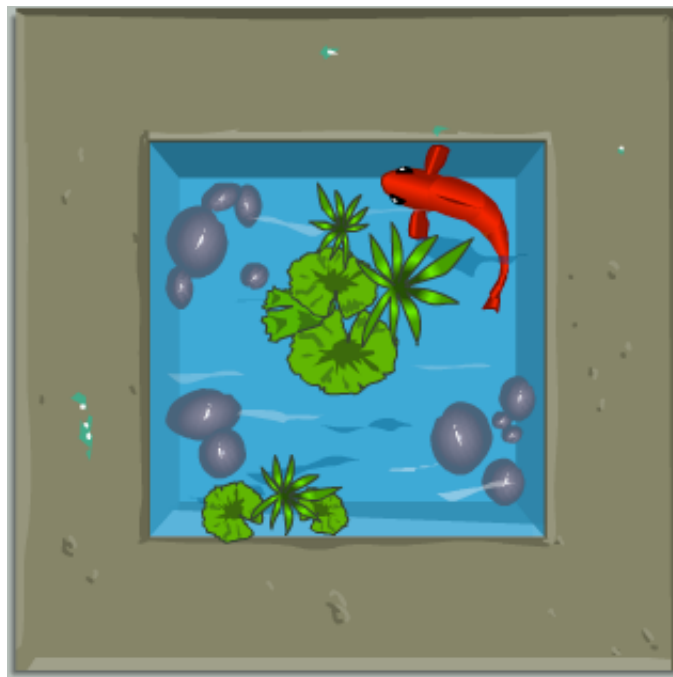


Multiple representations in the real world

Student Activity Sheet 1; use with *Overview*

1. Anthony's father is going to put a tile border around this square fish pond. The pond is 1 yard on each side. The tiles are squares that are 1 foot on each side. How many tiles will Mr. Chen need? Explain how you solved this problem.



2. When you use real objects (or pictures of real objects) to model a problem, you are making a _____ of the problem.

Multiple representations in the real world

Student Activity Sheet 1; use with *Overview*

3. Roses-R-Red sells roses for a service charge of \$20 plus \$0.75 per rose. You can make a verbal representation, a numerical representation, a graphical representation, and an algebraic representation of this problem situation. Label each representation with the correct term.

Representation

The total cost for the roses is \$20 service charge plus 75 cents for each rose ordered.

Representation

$$y = 20 + 0.75x$$

Representation

<i>Cost of Roses from Roses-R-Red</i>		
Number ordered	Process	Cost in dollars
12	$20 + 0.75(12)$	29
24	$20 + 0.75(24)$	38
36	$20 + 0.75(36)$	47
32	$20 + 0.75(32)$	44
23	$20 + 0.75(23)$	37.25
x	$20 + 0.75(x)$	y

Representation

