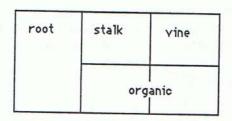
## Commentary Jupiter, XIII

1. (8 chances out of 100, 8/100, 8%, 8:100, or a reduced form of these answers, such as 4/50, 2/25, and so forth.) Students can obtain such an answer by making a chart of the possibilities. The chart below shows the eight possibilities of success, out of the 100 possibilities for the two cards.

		first card									
		1	2	3	4	5	6	7	8	9	10
second card	1								1		
	2	Г						1			
	3						J				
	4					1					
	5				V						
	6			1					+		
	7		1								
	8	1									
	9										
	10										

- 2. (Joey) Joey earned  $$1.50 \times 20 = $30.00$ ; Susan earned  $$5.00 \times 5 = $25.00$ .
- 3. (2/6 or 1/3) A diagram such as that below will help the student find the answer. The organic portion is 2 pieces out of 6 that would make the whole garden, hence 2/6 or 1/3 is the answer.



- 4.  $(35 \div 7 = 5)$  The problem is a simple partitioning interpretation of division.
- 5. (a. 5 feet by 4 feet; b. 15 kilograms) Both problems involve number sense. Students can eliminate all the unreasonable answers simply because of what they know about the size and weight of a bicycle.
- 6. (a. 9; b. 104; c. Lamps, Television, and Walkman) Students can count the types of appliances directly from the chart for (a). For (b), the total number of light bulbs in the chart is 26, and each stands for 4 appliances from the key, so the total is 104. Lamps is most popular with 5 light bulbs, followed by Television and Walkman with 4 each.
- 7. (189, 180, 117) The pattern involves subtracting 9 each time you move one term to the right.