USING VIS	UAL MODELS TO UN	IDERSTAND AND SC)LVE PROBLEMS	
\$70 and t Did he ear Hint: Use with	hen sells it again for \$ rn or lose money and rods to represent \$10	880. how much? Or did he O bills. Assume the m	He buys the CD playe e come out even? nan starts out with \$100 the number of rods and	0. Begin
Start	//////////	\$ 100		
Buys				
Sells				
Buys				
Sells				
11 1/2 in			ng is warped and is actuolled	
Draw a sk	etch of the problem s	ituation here>		
Solve the	problem here>			
	n cut a log into 3 piec into 12 pieces?	ces in 6 minutes. At t	this rate, how long will i	it take him to
Draw a sl	ketch of the problem s	situation here>		
Solve the	problem here>			

Name _____

4. A sheet of paper is folded in half. The folding process is repeated two additional times (a total of three folds). When the paper is opened, what pattern is formed by the resulting fold lines?

Use sketches to show each stage of your solution:



5. ORIENTEERING: Orienteering is a cross-country race, where competitors have to find the way, guided only by map and compass.

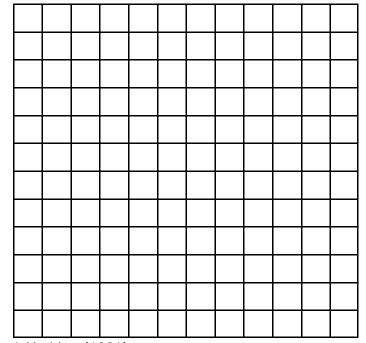
CATWALK*

It was a beautiful day and Alison decided to take her cat Zeus out for a walk. As long as she was going out, she thought she would run all the errands she had been putting off all week. First she headed for the drugstore, which was 3 blocks north of her house, to buy some shampoo and toothpaste. From there she went 2 blocks east to the dry cleaner's to pick up the skirt they'd been holding for her for 2 weeks. It was 4 blocks south to the grocer's, where she bought some yogurt for herself and some milk for Zeus, and then 5 blocks west to the hardware store to look for a can of Pale Lemon paint.

Two blocks south of the hardware store was the stationery store, where she bought a magazine and a box of paperclips. She then went 7 blocks east to stop at the post office to mail a package to her brother in California. Eight blocks north of the post office, Zeus began to get tired and looked at her imploringly. "Just one more stop," she said, "and then we'll go home for your catnap." They walked 4 blocks west to the pet store, where she got some catnip for Zeus as a reward for his patience.

Where are they? And how do they get home?

Hint: Use the grid to help find your solution.



^{*} Maddux (1986)