

Investigating Cross Number Puzzles

NCTM Standards 1, 2, 7, 8

As you complete these puzzles, look for shortcuts.
Remember that amounts on both sides of a thick
line must be the same.

1

51	13	
20	16	

2

60	4	
30	6	

3

	2	42
	9	
		81

4

39		42
	29	
49		

5

18	19	20	
19		18	
20	18	19	
			171

6

30	20	7	
20		30	57
7	30	20	

7

	51	351
	58	
400		

8

	350	395
32		
	460	

9 Put numbers in the shaded boxes to make up your own Cross Number Puzzle. Complete the puzzle.



10 Explain how you know what numbers to write to the right and below the thick lines.



11 For lunch, Kim bought a sandwich for \$2.50 and a glass of lemonade for \$1.25. Steve bought a salad for \$1.25 and a slice of pizza. If they both spent the same amount, how much was the slice of pizza? Explain how you know.

12 **Challenge** Complete the puzzles.

50		100	200
	65	35	
45		55	
125	135		

	15		600
		60	300
1,086	6	180	
2,205	45	360	