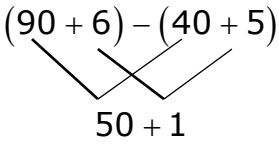
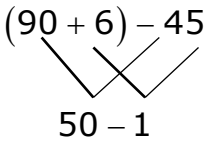


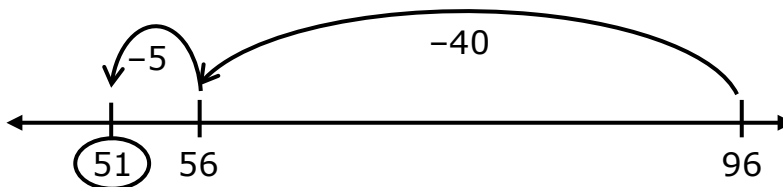
Name _____ Date _____

Determining Differences Using Mental Strategies

Melanie and Kareen each determined the difference of $96 - 45$ and justified their answers as shown.

Melanie	Kareen
$96 - 45$ $(90 + 6) - (40 + 5)$  $50 + 1$ 51	$96 - 45$ $(90 + 6) - 45$  $50 - 1$ 49
I decomposed the numbers to solve the problem. I subtracted the numbers by place value. Then I added the differences for the answer.	I decomposed the numbers to solve the problem. Then I subtracted the differences because it is a subtraction problem.

Melanie disagreed with Kareen and justified her answer using a number line:



Melanie further explained:

When you decompose the numbers to solve, you need to compose the differences to determine the answer.

How are the strategies used by the students similar? How are they different?

- Determine each difference using a mental strategy.
- Use a number line to justify each answer.
- Write an explanation of your answer.

1 $65 - 32$

2 $53 - 12$

3 $86 - 24$

4 $77 - 33$