

Chapter 2	Fractions and Decimals
Date:	2.4 Adding and Subtracting Decimals
Essential Question	How can you add and subtract decimals?
Steps	<ol style="list-style-type: none">1) Write the numbers vertically and line up the decimal points.2) Add zeros if you need to so that both numbers have the same number of digits.3) Bring down the decimal point and add or subtract the numbers.

1) $8.13 + 2.76$

			8	.	1	3	
		+	2	.	7	6	
<hr/>							
			1	0	.	8	9

2) $1.459 + 23.7$

					1					
					1	.	4	5	9	
		+	2	3	.	7	0	0		
<hr/>										
					2	5	.	1	5	9

3) $5.508 - 3.174$

4) $21.9 - 1.605$

			4	10	
		5	5	0	8
-		3	1	7	4
<hr/>					
		2	3	3	4

				8	9	10
		2	1	9	0	0
-			1	6	0	5
<hr/>						
		2	0	2	9	5

Complete numbers 1-4 on your note page.

1) $46.807 + 7.76$

2) $0.657 + 32.9$

	1	1			
	4	6	8	0	7
+		7	7	6	0
<hr/>					
	5	4	5	6	7

		1			
		0	6	5	7
+	3	2	9	0	0
<hr/>					
	3	3	5	5	7

Complete numbers 1-4 on your note page.

3) $27.9 - 0.905$

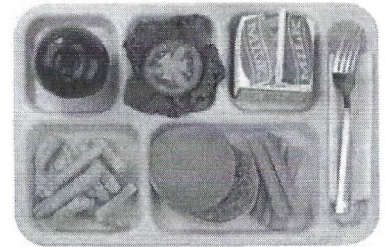
4) $18.626 - 13.88$

			8	9	10
	2	7	9	0	0
-		0	9	0	5
<hr/>					
	2	6	9	9	5

			15		
		7	5	12	
	1	8	6	2	6
-	1	3	8	8	0
<hr/>					
		4	7	4	6

Complete this problem in your composition book.

- 5) Your meal at the school cafeteria costs \$3.45. Your friend's meal costs \$3.90. You pay for both meals with a \$10 bill. How much change will you receive?



				1	
				3	45
			+	3	90
			<hr/>		
				7	35
				9	910
			1	0	0
		-		7	35
		<hr/>			
				2	65

You will get \$2.65 for your change.

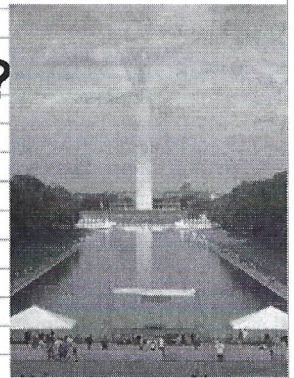
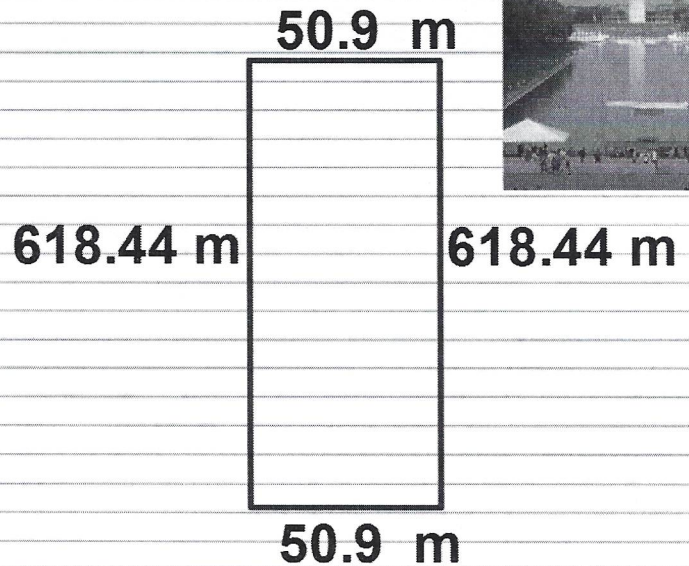
Complete number 5 on your note page.

5)

The Lincoln Memorial Reflecting Pool is approximately rectangular. Its width is 50.9 meters, and its length is 618.44 meters. You walk the perimeter of the pool. About how many meters do you walk?

$$\begin{array}{r} 12 \\ 50.90 \text{ m} \\ 618.44 \text{ m} \\ 618.44 \text{ m} \\ + \quad 50.90 \text{ m} \\ \hline 1338.68 \text{ m} \end{array}$$

You walk about
1,338.68 meters.



Complete problems 6 and 7 on your notes page.

6) $5.78 + 12.9 - 10.382 = 8.298$

$$\begin{array}{r} ^1 \\ 5.78 \\ + 12.90 \\ \hline 18.68 \end{array} \qquad \begin{array}{r} ^{17} \\ ^5 \times 10 \\ 18.680 \\ - 10.382 \\ \hline 8.298 \end{array}$$

7) $62.4 - (45.7 + 16.31) = 0.39$

$$\begin{array}{r} ^1 ^1 \\ 45.70 \\ + 16.31 \\ \hline 62.01 \end{array} \qquad \begin{array}{r} ^3 ^{10} \\ 62.40 \\ - 62.01 \\ \hline 0.39 \end{array}$$