

Subtracting with Decimals

NCTM Standards 1, 2, 6, 7, 8, 9

Complete. Use base-ten blocks, if you wish.

1

$$\begin{array}{r} 6.5 \\ - 2 \\ \hline \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 6.5 \\ - 2.5 \\ \hline \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 6.5 \\ - 2.6 \\ \hline \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 65 \\ - 26 \\ \hline \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 6 \\ - 2.6 \\ \hline \end{array} = \underline{\hspace{2cm}}$$

2

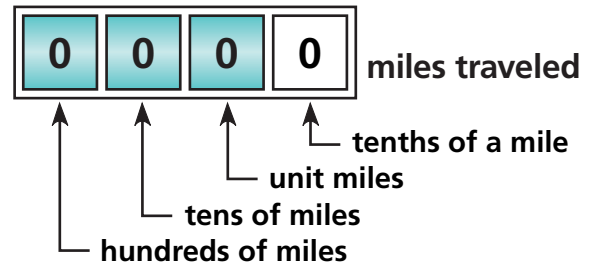
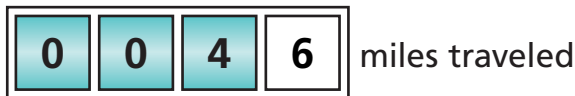
$$\begin{array}{r} 3.6 \\ - 2 \\ \hline \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 3.6 \\ - 2.4 \\ \hline \end{array} = \underline{\hspace{2cm}}$$

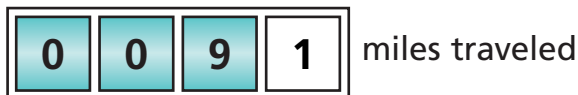
$$\begin{array}{r} 3.6 \\ - 2.8 \\ \hline \end{array} \quad \begin{array}{r} 36 \\ - 28 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ - 2.8 \\ \hline \end{array}$$



- 3 Carla set the trip meter in her van to 0 before she started her trip. She drove 4.6 miles from home to school using Route A. The trip meter showed:



Then she drove back home using Route B. She did not reset the meter. At the end of the trip, the trip meter showed this.



How long was Route B? Explain how you know.



- 4 Write a word problem that involves subtracting decimals, and then show how to solve it. You might use a trip meter in your problem.

- 5 The family set the trip meter to 0 before the trip began. Write the number of miles between each town and the next.

<table border="1"><tr><td>0</td><td>0</td><td>0</td><td>0</td></tr></table>	0	0	0	0	Home	→	<input type="text"/>
0	0	0	0				
<table border="1"><tr><td>0</td><td>1</td><td>7</td><td>5</td></tr></table>	0	1	7	5	Malta	→	<input type="text"/>
0	1	7	5				
<table border="1"><tr><td>0</td><td>2</td><td>7</td><td>6</td></tr></table>	0	2	7	6	Troy	→	<input type="text"/>
0	2	7	6				
<table border="1"><tr><td>0</td><td>4</td><td>7</td><td>9</td></tr></table>	0	4	7	9	Dover	→	<input type="text"/>
0	4	7	9				
<table border="1"><tr><td>0</td><td>5</td><td>0</td><td>0</td></tr></table>	0	5	0	0	Union	→	<input type="text"/>
0	5	0	0				
<table border="1"><tr><td>0</td><td>8</td><td>5</td><td>2</td></tr></table>	0	8	5	2	Lee City	→	<input type="text"/>
0	8	5	2				
<table border="1"><tr><td>0</td><td>9</td><td>9</td><td>9</td></tr></table>	0	9	9	9	Olan	→	<input type="text"/>
0	9	9	9				
<table border="1"><tr><td>1</td><td>7</td><td>5</td><td>2</td></tr></table>	1	7	5	2	Benton	→	<input type="text"/>
1	7	5	2				
<table border="1"><tr><td>2</td><td>0</td><td>0</td><td>0</td></tr></table>	2	0	0	0	Knox	→	<input type="text"/>
2	0	0	0				

- 6 The shortest distance between two towns was _____ miles.

- 7 The longest distance between two towns was _____ miles.

- 8 Write the distance in miles between these cities.

Malta and Dover 30.4

Dover and Lee City _____

Olan and Knox _____

_____ and _____ 22.4

- 9 A trip from Olan to Benton and back again is _____ miles.



- 10 **Challenge** The family drove from Knox back to Lee City to pick up a forgotten suitcase. What did the trip meter show when they arrived back in Knox? Show your work.



<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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