

Name \_\_\_\_\_

Date \_\_\_\_\_

## Expanded Form and Decimals Guided Lesson Explanation

1) To write a number in expanded form, just break the integer in place values.

<b>5</b>	.	<b>3</b>	<b>9</b>	<b>1</b>
<b>Ones</b>		<b>Tenths</b>	<b>Hundredths</b>	<b>Thousandths</b>

Write the value of each integer in the number.

**Answer:  $5 + 0.3 + 0.09 + 0.001$**

2) Break the number into place values.

<b>7</b>	<b>4</b>	<b>5</b>	.	<b>2</b>	<b>6</b>	<b>1</b>
<b>Hundreds</b>	<b>Tens</b>	<b>Ones</b>	.	<b>Tenths</b>	<b>Hundredths</b>	<b>Thousandths</b>

The question asks for the value of the "6".

**Answer: 6 hundredths or 0.06.**

3) When converting from expanded form to standard form, just find the sum of all the values.

$$400 + 20 + 9 + 0.4 + 0.02 + 0.008$$

a) 420

b) 429

c) 429.4

d) 429.42

e) 429.428

**Answer: 429.428**