

## Identifying Place Values with Decimals Guided Lesson Explanation

All of the problems include the following place values:

Thousands	Hundreds	Tens	Ones	Decimal	Tenths	Hundredths
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We start each problem by determining the place of the number that is highlighted. Then we multiply the integer at that place by the place value itself to determine the final value.

1. Place Value = Hundredths. Value =  $0.01 \times 9 = 0.09$

Thousands	Hundreds	Tens	Ones	Decimal	Tenths	Hundredths
7	9	8	3	.	4	9

2. Place Value = Ones. Value =  $1 \times 4 = 4$

Thousands	Hundreds	Tens	Ones	Decimal	Tenths	Hundredths
6	4	5	4	.	4	5

3. Place Value = Tenths. Value =  $0.1 \times 8 = 0.8$

Thousands	Hundreds	Tens	Ones	Decimal	Tenths	Hundredths
4	5	3	2	.	8	6

4. Place Value = Thousands. Value =  $1,000 \times 8 = 8,000$

Thousands	Hundreds	Tens	Ones	Decimal	Tenths	Hundredths
8	2	1	3	.	5	6

5. Place Value = Hundreds. Value =  $100 \times 9 = 900$

Thousands	Hundreds	Tens	Ones	Decimal	Tenths	Hundredths
4	9	7	2	.	4	5