

To be able to add decimals within 1

**MathShed**

**Starter:**  
Look at the place value charts below, what's the same? What's different?

ones	tenths	hundredths	thousandths
0	0.1	0.01	0.001
0	0.1	0.01	0.001

Explain your answer.

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**Activity 1:**  
Complete the chart, then complete the sentences below.

ones	tenths	hundredths	thousandths
0	0.1	0.01	0.001
0	0.1	0.01	0.001

Two tenths more than the number shown would be

If I added 5 hundredths to the number, I would make

\_ thousandths would need to be added before the hundredths digit changes.

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**Activity 2:**  
Use the hundred grid to help you complete the calculation below.

0.66	+	0.07	=
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**Activity 3:**  
Use the column method to find the sum of two decimal numbers.

	o	t	h	th
	0	6	7	
+	0	2		
<hr/>				

	o	t	h	th
	0	6	7	
+	0	0	3	
<hr/>				

	o	t	h	th
	0	6	7	
+	0	0	0	9
<hr/>				

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**Activity 4:**  
Compare the number sentences using the comparison symbols, <, > and =.

$0.06 + 0.7 + 0.005$	○	$0.6 + 0.007 + 0.05$
$0.3 + 0.02 + 0.5$	○	$0.4 + 0.02 + 0.4$
$0.8 + 0.007 + 0.1$	○	$0.001 + 0.1 + 0.9$

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**Activity 5:**  
Use each of the digit cards once each time to create addition calculations with sums greater than five tenths.

What is the greatest total you've made?  
What is the smallest possible sum?  
Explain your answer.

	o	t	h	th
	0			
+	0			
<hr/>				

0

1

2

3

4

5

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Evaluation:



$0.52 + 0.4 = 0.524$

Is Astrobee's statement true or false?  
Explain your answer in full.