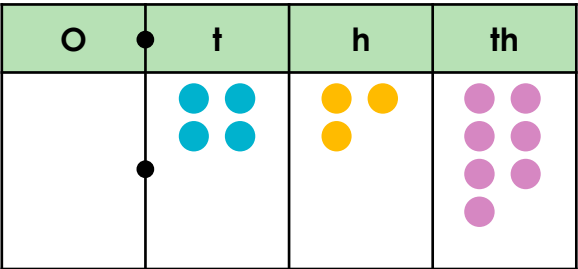


Adding Decimals within 1

1. What number is represented below?



What is 0.05 more than this number?

What is 0.002 more than this number?

VF

4. Complete the statement using the number cards below. The total of each calculation must be less than 1.

0.02

+

<

0.005

+

0.237

0.164

0.08

0.7

0.03

0.574

0.319

0.023

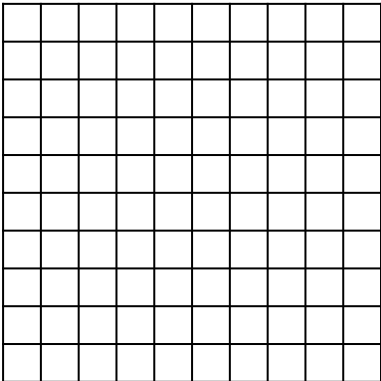
0.806

Find three possible solutions.

PS

2. Use the hundred square to complete the calculation below.

0.57 + 0.06 =



VF

5. April has added two decimal numbers using the column method shown below.

	0	.	4	4	
+	0	.	0	0	5
	0	.	4	9	0

Find and explain her mistake.

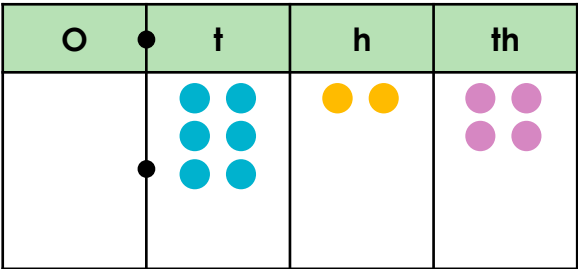
R

3. Complete the calculation below.

	0	.	7	4	8
+	0	.	0	4	0
	0	.			

VF

6. Jack has 4 counters to add to one column on the place value chart below. The total must be less than 1.



Jack thinks there is only one column he can add the counters to. Do you agree? Explain your answer.

R

## Adding Decimals within 1

1. The number represented is 0.437.  $0.437 + 0.05 = 0.487$ ;  $0.437 + 0.002 = 0.439$
2. 63 squares shaded.  $0.57 + 0.06 = 0.63$
- 3.

	0	.	7	4	8
+	0	.	0	4	0
	0	.	7	8	8

4. Various answers, for example:  
 $0.02 + 0.237 < 0.005 + 0.806$ ;  $0.02 + 0.164 < 0.005 + 0.574$ ;  $0.02 + 0.319 < 0.005 + 0.806$ ;  $0.02 + 0.08 < 0.005 + 0.03$ ;  $0.02 + 0.023 < 0.005 + 0.7$
5. April has added the 5 in the thousandths column to the 4 hundredths rather than adding to the empty thousandths column. The correct answer is shown below.

	0	.	4	4	
+	0	.	0	0	5
	0	.	4	4	5

6. I disagree with Jack because there are two columns he could add the 4 counters to which would give a total less than 1. If Jack added the counters to the hundredths column, the total would be 0.664 because  $0.624 + 0.04 = 0.664$ . Jack could also add the counters to the thousandths column as  $0.624 + 0.004 = 0.628$ .