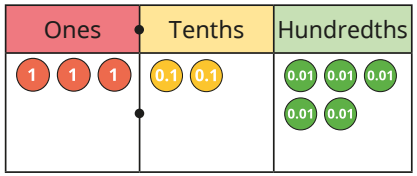
Partition decimals

1 Complete the sentences to describe each number.

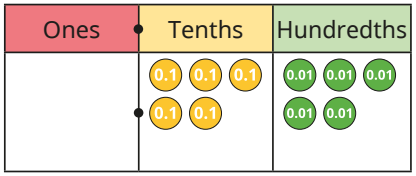
There are ☐ ones, ☐ tenths and ☐ hundredths.

The number is ☐

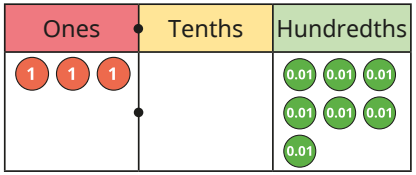
a)



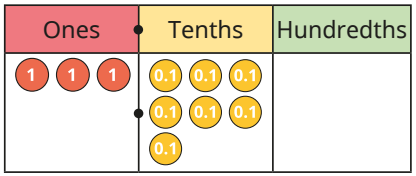
b)



c)



d)

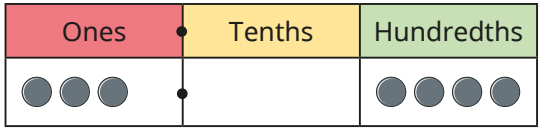


2 Make each number on a place value chart.

Write the value of the underlined digit.

a) 6.3̲1 **b)** 12.0̲9 **c)** 0.0̲7 **d)** 5̲6.82

3 Tiny says that the number on the place value chart is 3.4



Do you agree with Tiny?

Explain your answer.

4 Fill in the zeros needed as placeholders for each number.

a)

T	O	Tth	Hth
3	2		4

b)

T	O	Tth	Hth
	2		4

c)

T	O	Tth	Hth
			4

d)

T	O	Tth	Hth
		5	

e)

T	O	Tth	Hth
	2		

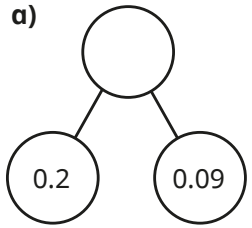
f)

T	O	Tth	Hth
3		5	

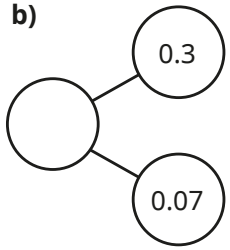
Compare answers with a partner.

5 Complete the part-whole models.

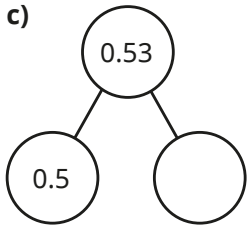
a)



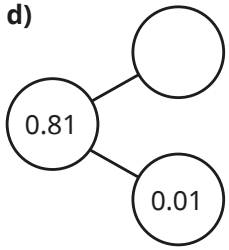
b)



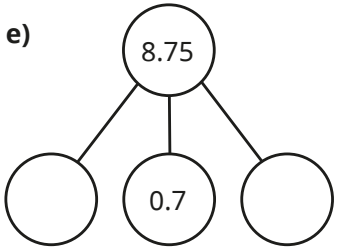
c)



d)



e)



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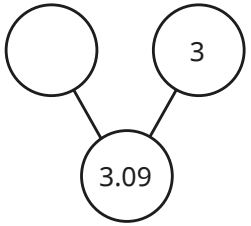

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4 Fill in the zeros needed as placeholders for each number.

a)

T	O	Tth	Hth
3	2		4

b)

T	O	Tth	Hth
	2		4

c)

T	O	Tth	Hth
			4

d)

T	O	Tth	Hth
		5	

e)

T	O	Tth	Hth
	2		

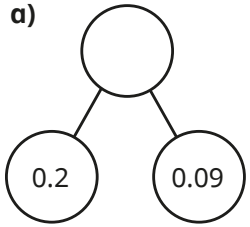
f)

T	O	Tth	Hth
3		5	

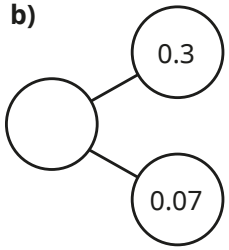
Compare answers with a partner.

5 Complete the part-whole models.

a)



b)



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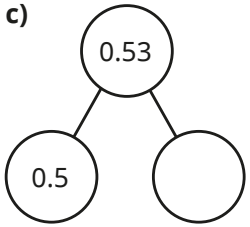

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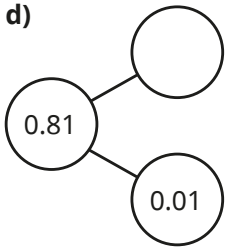
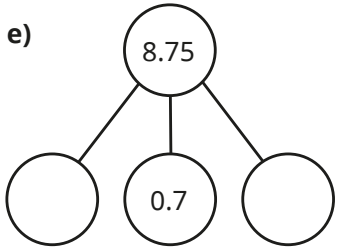
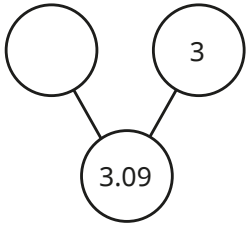


e)



f)



6 Here are five number cards.

3.06	3.6	6.03	6.3	30.06

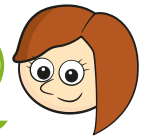
Annie, Rosie, Jack and Dora each take one card.

Use the clues to work out which number they each have.

My number has 3 hundredths.

Annie

My number has twice as many ones as tenths.

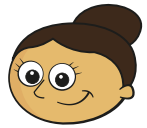


Rosie

My number has two zero placeholders.

Jack

My number is the smallest number.



Dora

Compare answers with a partner.

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