1 Use place value counters to make the numbers.

Draw your answers.

a) 1.343

T	O	Tth	Hth	Thth
	O	O O O	O O O	O O O

b) 16.052

T	O	Tth	Hth	Thth
O	O O O O O O		O O O O O	O O

c) 7.001

T	O	Tth	Hth	Thth
	O O O O O O O			O

d) 70.01

T	O	Tth	Hth	Thth
O O O O O O O			O	

2 Complete the sentences.

O	Tth	Hth	Thth
● ● ●	● ●	● ● ● ●	● ● ● ● ●

There are ⎡3⎤ ones.

There are ⎡2⎤ tenths.

There are ⎡4⎤ hundredths.

There are ⎡5⎤ thousandths.

The number in digits is ⎡3·245⎤

3 Write the value of the 3 in each number.

a) 3.65   3 ones

b) 0.093   3 thousandths

c) 18.31   3 tenths

d) 72.439   3 hundredths

e) 32.701   3 tens

f) 19.03   3 hundredths

4 Complete the part-whole models.

a)

3.614 → 3, 0.6, **0·01**, 0.004

b)

7.174 → **7**, **0·1**, **0·07**, **0·004**
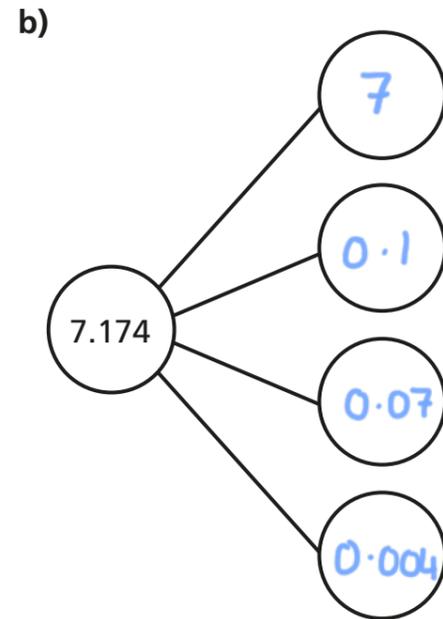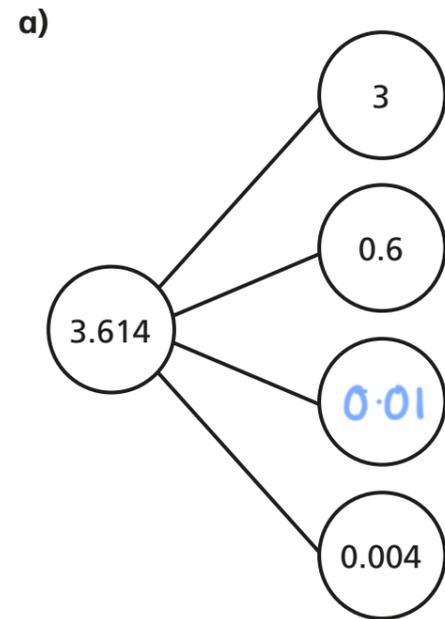
5 Complete the number sentences.

a) 17.134 = 10 + 7 + 0.1 + **0·03** + 0.004

b) 94.077 = 90 + 4 + 0.07 + **0·007**

c) **34.079** = 30 + 4 + 0.07 + 0.009

6 Complete the number sentences.

1.456 = 1 + 0.4 + **0·05** + 0.006

1.456 = 1 + 0.3 + **0·15** + 0.006

1.456 = 1 + 0.2 + **0·25** + 0.006

1.456 = 1 + **0·45** + 0.006

7 Mo and Annie have represented 0.121 on their place value charts.

Mo's chart

O	Tth	Hth	Thth
	●	●●●	●

Annie's chart

O	Tth	Hth	Thth
		●●	●
		●●	
		●●	
		●●	
		●●	
		●●	
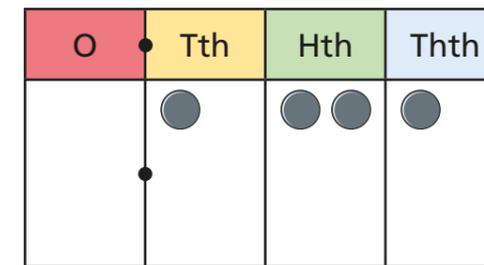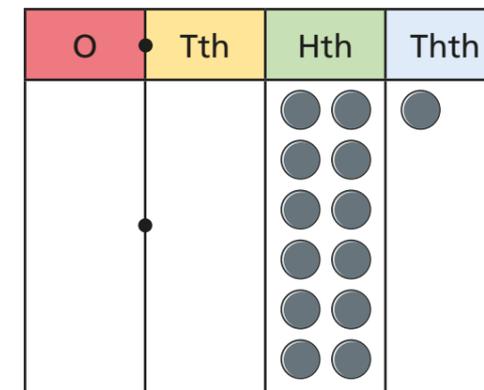
Mo: Only my grid shows 0.121

Annie: Both our grids show 0.121

Who do you agree with? ___Annie___

Explain why.

___Annie could exchange 10 hundredths for one tenth then their grids would be the same.___