Three decimal places

1 Use place value counters to make the numbers.

Draw your answers.

a) 1.343

T	O	Tth	Hth	Thth
	○	○○	○○ ○○	○○ ○

b) 16.052

T	O	Tth	Hth	Thth
○	○○ ○○ ○		○○ ○○	○○

c) 7.001

T	O	Tth	Hth	Thth
	○○ ○○ ○			○

d) 70.01

T	O	Tth	Hth	Thth
○○ ○○ ○			○	

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

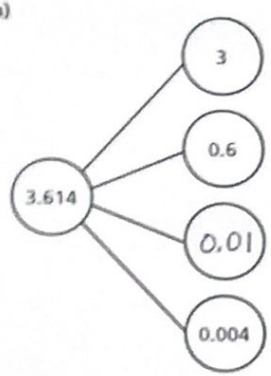
d) 72.439 3 hundredths

e) 32.701 3 tens

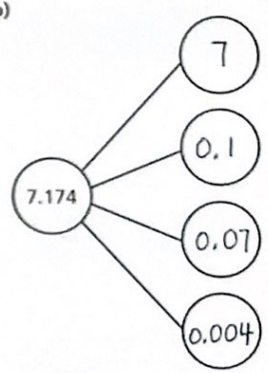
f) 19.03 3 hundredths

4 Complete the part-whole models.

a)



b)



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

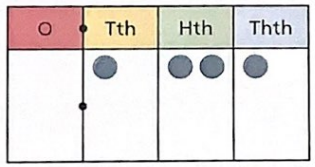
1.456 = 1 + 0.3 + 0.15 + 0.006

1.456 = 1 + 0.2 + 0.25 + 0.006

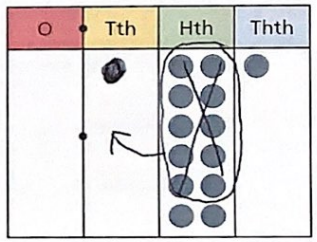
1.456 = 1 + 0.45 + 0.006

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

Mo's chart



Annie's chart



Only my grid shows 0.121

Mo

Both our grids show 0.121

Annie

Who do you agree with? Annie

Explain why.

Although Mo has shown it the most efficient way, Annie could exchange ten hundredths to make one tenth and still have two hundredths left over.