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 ☐ ones.

There are ☐ tenths.

There are ☐ hundredths.

There are ☐ thousandths.

The number in digits is ☐

3 Write the value of the 3 in each number.

a) 3.65 _____

b) 0.093 _____

c) 18.31 _____

d) 72.439 _____

e) 32.701 _____

f) 19.03 _____

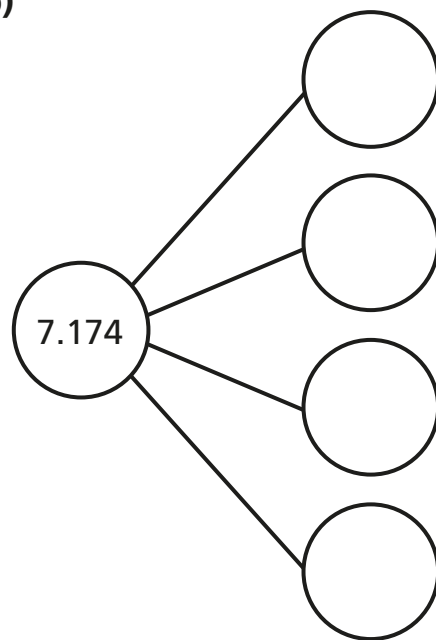**4** Complete the part-whole models.

a)
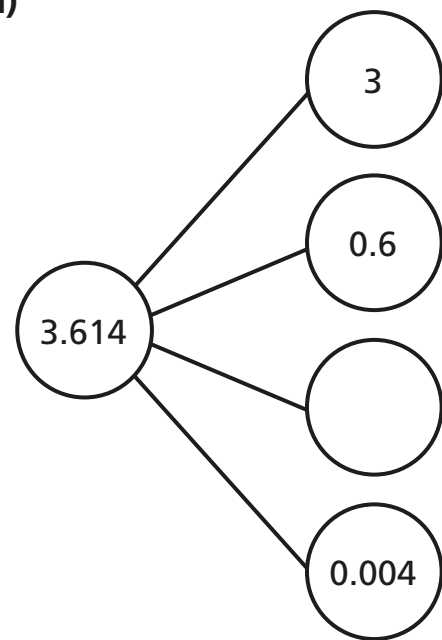
b)

5 Complete the number sentences.

a) 17.134 = 10 + 7 + 0.1 + ☐ + 0.004

b) 94.077 = 90 + 4 + 0.07 + ☐

c) ☐ = 30 + 4 + 0.07 + 0.009

6 Complete the number sentences.

1.456 = 1 + 0.4 + ☐ + 0.006

1.456 = 1 + 0.3 + ☐ + 0.006

1.456 = 1 + 0.2 + ☐ + 0.006

1.456 = 1 + ☐ + 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

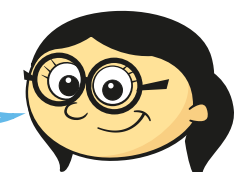| O	Tth	Hth	Thth
		● ●	●
		● ●	
		● ●	
		● ●	
		● ●	

Only my grid shows 0.121

Mo

Both our grids show 0.121

Annie

Who do you agree with? _____

Explain why.

_____

_____

_____

_____