## Place value - integers and decimals

1 Complete the sentences.


There are $\square$ ones, $\qquad$ tenths, $\square$ hundredths and $\square$ thousandths.

The number is $\square$
2) Use place value counters to make the numbers.

Draw your answers and complete the sentences.
a) 1.343


There a $\square$ tens, $\square$ one, $\square$ tenths, $\square$ hundredths and thousandths.

The number is $\square$
b) 16.052

| T | 0 | 0 | Tth | Hth |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  | Thth |  |
|  |  | 0 |  |  |
|  |  |  |  |  |

There is $\square$ ten, $\square$ ones, $\square$ tenths, $\square$ hundredths and $\square$ thousandths.
The number is $\square$
c) 70.01

| T | 0 | 0 | Tth | Hth |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  | Thth |  |
|  |  | 0 |  |  |
|  |  |  |  |  |

There are $\square$ tens, $\square$ ones, $\square$ tenths, $\square$ hundredth
and $\square$ thousandths.

The number is $\square$
(3) Write the value of the 3 in each number.
a) 3.65 $\qquad$ d) 72.439
$\qquad$
b) 0.093 $\qquad$ e) 32.701 $\qquad$
c) 18.31 $\qquad$ f) 19.03 $\qquad$

Complete the part-whole models.


5 Complete the number sentences.
a) $17.134=10+7+0.1+\square+0.004$
b) $94.077=90+4+0.07+$ $\square$
c) $\square$ $=30+4+0.07+0.009$

6 Complete the number sentences.


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

## Mo's chart

| 0 | Tth | Hth | Thth |
| :--- | :--- | :--- | :--- |
|  | 0 | $\bigcirc \bigcirc$ | $\bigcirc$ |
|  | 0 |  |  |

Annie's chart


Who do you agree with?
Explain why.
$\qquad$
$\qquad$
$\qquad$
$\qquad$

