Getting the Point

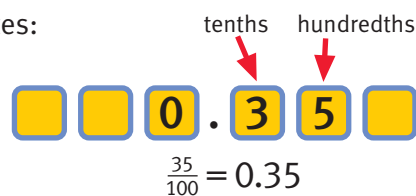You need: a Slavonic abacus or a beads frame (optional)

Huia is using a Slavonic abacus to investigate the decimal names for fractions.
She knows that the places to the right and left of the decimal point are:

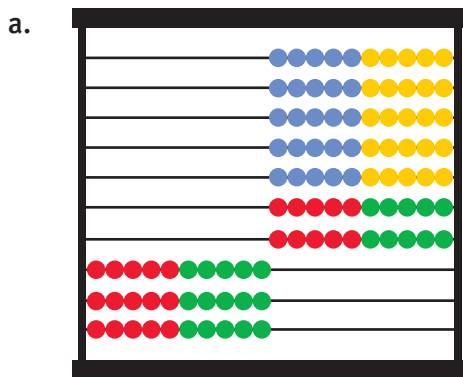**thousands   hundreds   tens   ones** ● **tenths   hundredths   thousandths**

My abacus is showing 35 out of 100. That's $\frac{35}{100}$.
So the beads in the left-hand corner show $\frac{65}{100}$.

She writes:

tenths   hundredths

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$\frac{35}{100} = 0.35$

1. Here are some other fractions that Huia made.
   For each picture, name the fractions and show how she could write them as decimals:

a.

b.

c.

d.

2. Can Huia show $\frac{1}{3}$ and $\frac{2}{3}$ on her abacus? Explain your answer.