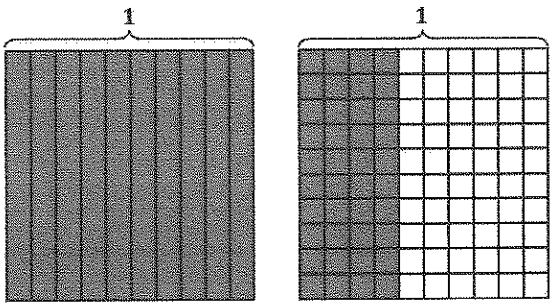
G4-M6-Lesson 8

1. Use the area model to represent $\frac{140}{100}$. Complete the number sentence.

   $\frac{140}{100}$ = 14 tenths = 1 one 4 tenths = 1.4

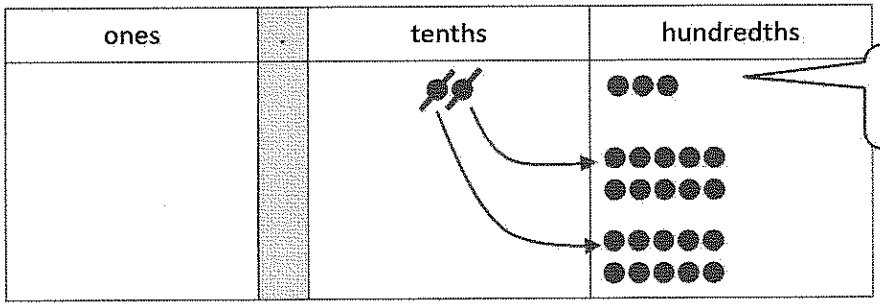


I can draw horizontal lines to show hundredths. 1 one equals 10 tenths or 100 hundredths. 4 tenths equals 40 hundredths.

I shade 14 tenths. My model shows that 14 tenths is the same as 1 one and 4 tenths.

2. Draw place value disks to represent the following decomposition:

   2 tenths 3 hundredths = 23 hundredths



I start by showing 2 tenths 3 hundredths.

I decompose 2 tenths as 20 hundredths.

3. Decompose the units to represent each number as tenths.
   a. $1.3 =$ 13 tenths
   b. $18.3 =$ 183 tenths

4. Decompose the units to represent each number as hundredths.
   a. $1.3 =$ 130 hundredths
   b. $18.3 =$ 1,830 hundredths

I notice a pattern! There are 10 times as many hundredths as tenths.

5. Complete the chart.

Decimal	Mixed Number	Tenths	Hundredths
8.2	$8\frac{2}{10}$	82 *tenths* $\frac{82}{10}$	820 *hundredths* $\frac{820}{100}$

I write tenths and hundredths in both fraction and unit form.