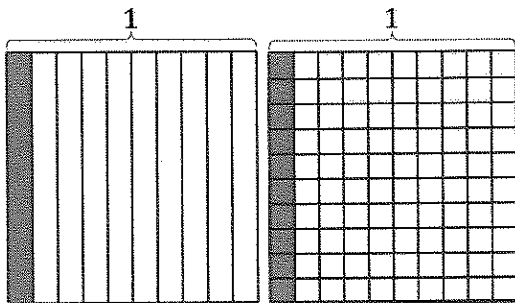# G4-M6-Lesson 5

1. Find the equivalent fraction using multiplication or division. Shade the area models to show the equivalency. Record it as a decimal.
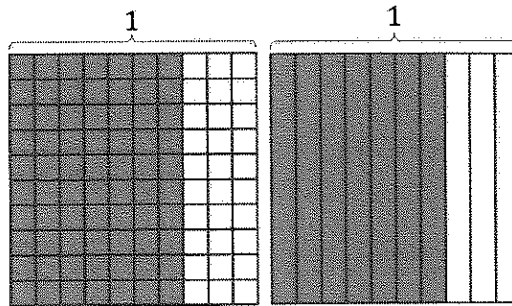
a. $\dfrac{1 \times 10}{10 \times 10} = \dfrac{10}{100}$

> I multiply the number of tenths by 10 to get the number of hundredths.

1　　　1

> There are 10 times as many hundredths as there are tenths.

b. $\dfrac{70 \div 10}{100 \div 10} = \dfrac{7}{10}$

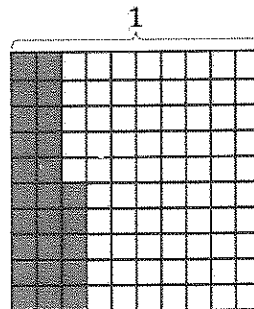> I divide the number of hundredths by 10 to get the number of tenths.

1　　　1

> $\dfrac{7}{10}$ and $\dfrac{70}{100}$ are equivalent fractions.

2. Complete the number sentence. Shade the equivalent amount on the area model, drawing horizontal lines to make hundredths.
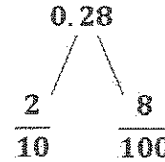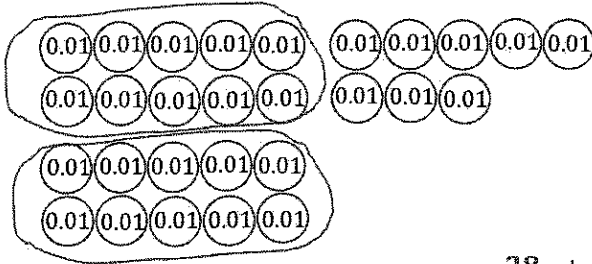
a. 25 hundredths = __2__ tenths + __5__ hundredths

b. Decimal Form: __0.25__

c. Fraction Form: __$\dfrac{25}{100}$__

1

Lesson 5:　Model the equivalence of tenths and hundredths using the area model and number disks.

EUREKA MATH

3. Circle hundredths to compose as many tenths as you can. Complete the number sentence. Represent the composition with a number bond.

(0.01)(0.01)(0.01)(0.01)(0.01) (0.01)(0.01)(0.01)(0.01)(0.01)
(0.01)(0.01)(0.01)(0.01)(0.01) (0.01)(0.01)(0.01)

(0.01)(0.01)(0.01)(0.01)(0.01)
(0.01)(0.01)(0.01)(0.01)(0.01)

I compose 10 hundredths to make 1 tenth because $\frac{1}{10} = \frac{10}{100}$.

0.28
/   \
$\frac{2}{10}$ $\frac{8}{100}$

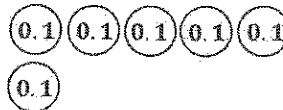__28__ hundredths = __2__ tenths + __8__ hundredths

4. Use both tenths and hundredths place value disks to represent each number. Write the equivalent number in decimal, fraction, and unit form.

a. $\frac{54}{100} = 0.54$

(0.1)(0.1)(0.1)(0.1)(0.1)   (0.01)(0.01)(0.01)(0.01)

__54__ hundredths

b. $\frac{60}{100} = 0.60$

(0.1)(0.1)(0.1)(0.1)(0.1)
(0.1)

60 hundredths

Since I know that $\frac{6}{10} = \frac{60}{100}$, it is more efficient to show 6 tenths than 60 hundredths.