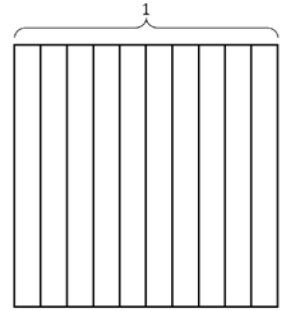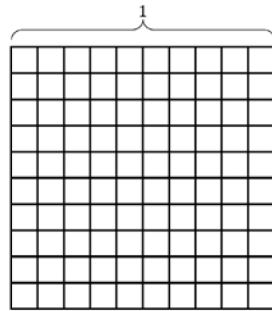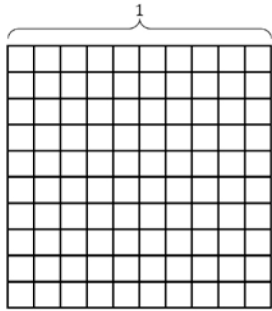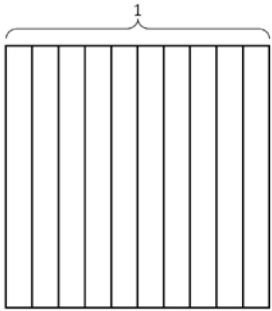Name _____ Date _____

1. Find the equivalent fraction using multiplication or division. Shade the area models to show the equivalency. Record it as a decimal.

   a. $\dfrac{4 \times \underline{}}{10 \times \underline{}} = \dfrac{\underline{}}{100}$

   b. $\dfrac{60 \div \underline{}}{100 \div \underline{}} = \dfrac{\underline{}}{10}$
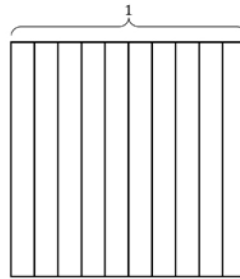
2. Complete the number sentences. Shade the equivalent amount on the area model, drawing horizontal lines to make hundredths.

   a. 36 hundredths = _____ tenths + _____ hundredths

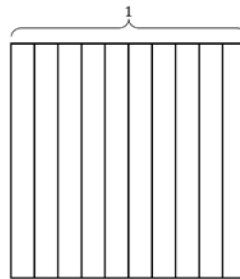   Decimal form: _____

      Fraction form: _____

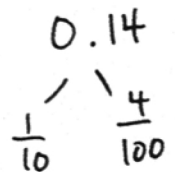   b. 82 hundredths = _____ tenths + _____ hundredths
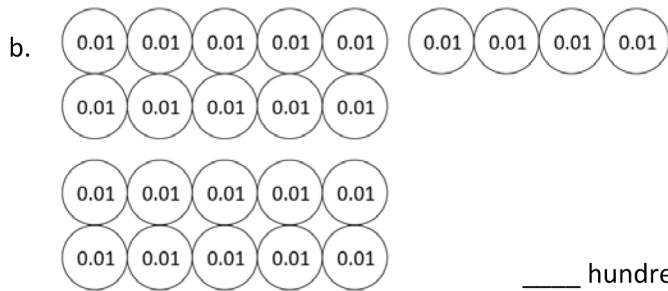
      Decimal form: _____

      Fraction form: _____

3. Circle hundredths to compose as many tenths as you can. Complete the number sentences. Represent each with a number bond as shown.

   a.

   0.14

   $\dfrac{1}{10}$ $\dfrac{4}{100}$

   _____ hundredths = _____ tenth + _____ hundredths

b.

(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)   _____ hundredths = _____ tenths + _____ hundredths

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

a. $\frac{4}{100}$ = 0. _____ _____ hundredths	b. $\frac{13}{100}$ = 0. _____ _____tenth _____ hundredths
c. —— = 0.41 _____ hundredths	d. —— = 0.90 _____ tenths
e. —— = 0. _____ 6 tenths 3 hundredths	f. —— = 0. _____ 90 hundredths

Answer Key

1. a. 10, 10, 40; model shaded appropriately; 0.4 or 0.40

    b. 10, 10, 6; model shaded appropriately; 0.6

2. a. 3, 6; 0.36; $\frac{36}{100}$; model shaded appropriately

    b. 8, 2; 0.82; $\frac{82}{100}$; model shaded appropriately

3. a. 1 group of 10 disks circled; 14, 1, 4; number bond showing $\frac{1}{10}$ and $\frac{4}{100}$ is 0.14

    b. 2 groups of 10 disks circled; 24, 2, 4; number bond showing $\frac{2}{10}$ and $\frac{4}{100}$ is 0.24

4. a. 04; 4; 4 (0.01) disks drawn

    b. 13; 1, 3; 1 (0.1) disk and 3 (0.01) disks drawn

    c. $\frac{41}{100}$; 41; 4 (0.1) disks and 1 (0.01) disk drawn

    d. $\frac{9}{10}$; 9; 9 (0.1) disks drawn

    e. $\frac{63}{100}$; 63; 6 (0.1) disks and 3 (0.01) disks drawn

    f. $\frac{90}{100}$; 90; 9 (0.1) disks drawn