Name _____ **Date** _____

Use the place value chart to complete the statement and equation.

1.
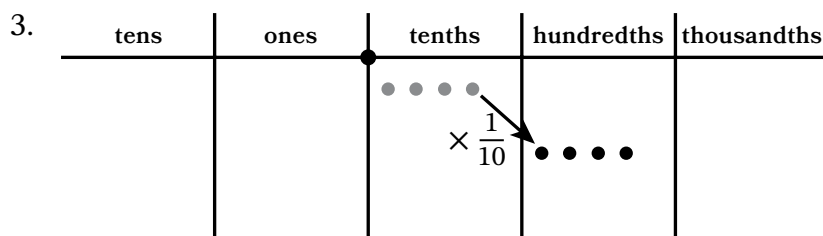
tens	ones	tenths	hundredths	thousandths
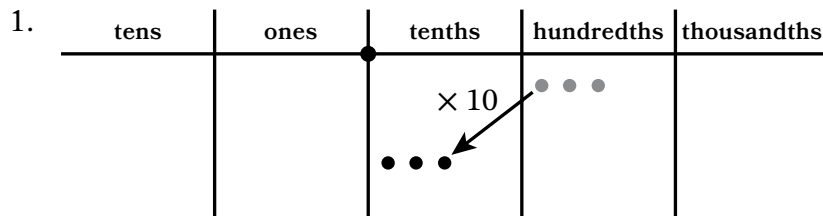
3 tenths is 10 times as much as _____ .

$0.3 = 10 \times$ _____

2.

tens	ones	tenths	hundredths	thousandths

_____ is 10 times as much as _____ .

_____ $= 10 \times$ _____

3.

tens	ones	tenths	hundredths	thousandths
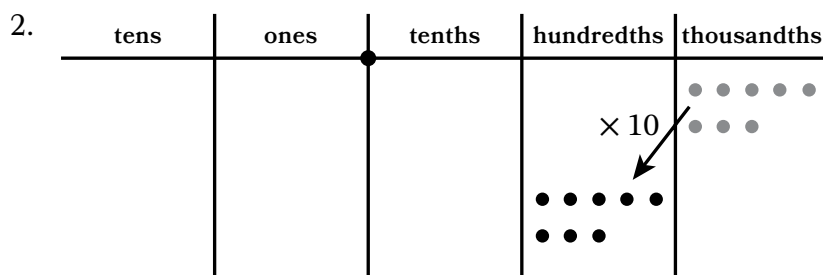
4 hundredths is $\frac{1}{10}$ as much as _____ .

$0.04 = \frac{1}{10} \times$ _____

4.

tens	ones	tenths	hundredths	thousandths

$\times \frac{1}{10}$
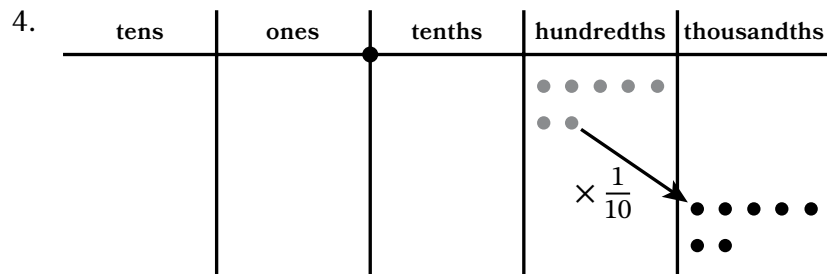
_____ is $\frac{1}{10}$ as much as _____ .

_____ $= \frac{1}{10} \times$ _____

---

5. Consider the number shown.

$$4\ 7 . 3\ \boxed{5}\ \underline{5}$$

a. What is the value of the boxed digit?

b. What is the value of the underlined digit?

c. Complete the equations to show the relationships between the boxed digit and the underlined digit.

_____ $= 10 \times$ _____

_____ $= \frac{1}{10} \times$ _____

6. Consider the number shown.

$$8\ \ 2\ .\ \underline{2}\ \ 2\ \ 3$$

a. What is the value of the underlined digit?

b. Draw a box around the digit that has a value that is $\frac{1}{10}$ as much as the value of the underlined digit.

c. Write an equation to show the relationship between the boxed digit and the underlined digit.

7. Eddie and Jada each write a number.

Eddie's Number	Jada's Number
63.297	25.349

a. Complete Eddie's and Jada's equations to show the relationship between the values of the 9s in their numbers.

Eddie's Equation $0.09 \times \underline{\hspace{1cm}} = 0.009$

Jada's Equation $0.09 \div \underline{\hspace{1cm}} = 0.009$

b. Explain how Eddie's and Jada's equations can have different operations to represent the same relationship.

c. Write an equation to show the relationship between the values of the 3s in Eddie's and Jada's numbers.

8. Miss Baker rolls five dice.
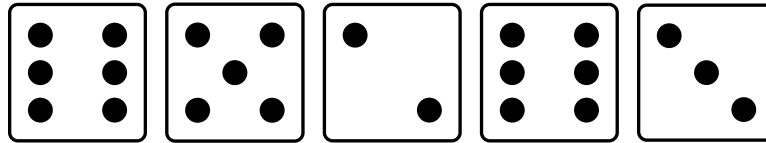
She asks her class to use the amounts shown on the dice to write a number. She tells the class that they must follow two rules:

- The value of the digit in the thousandths place must be $\frac{1}{10}$ as much as the value of the digit in the hundredths place.

- Use the amount shown on each die once to write the greatest possible number.

What number does Miss Baker want the class to write? Explain.