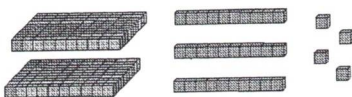


Exploring Thousandths



Quick Review

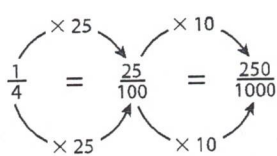
► Numbers with **thousandths** can be shown in different ways.



Ones	Tenths	Hundredths	Thousandths
	2	3	4

$$\frac{234}{1000} = 0.234$$

► We can write some fractions with denominator 1000.



$\frac{1}{4}$ is equivalent to $\frac{250}{1000}$.

$\frac{250}{1000}$ is 0.250.

So, $\frac{1}{4}$ is equivalent to 0.250.

► We can write decimals in expanded form.

$$4.623 = 4 \text{ ones} + 6 \text{ tenths} + 2 \text{ hundredths} + 3 \text{ thousandths}$$

$$= 4 + 0.6 + 0.02 + 0.003$$

► 0.700, 0.70, and 0.7 name the same amount.

They are **equivalent decimals**.

Try These

1. Write each number as a decimal.

- a) $\frac{7}{100}$ _____ b) $\frac{14}{1000}$ _____ c) $\frac{19}{100}$ _____
- d) $\frac{6}{1000}$ _____ e) $\frac{374}{1000}$ _____ f) $\frac{108}{1000}$ _____

2. Write each decimal in expanded form.

- a) 0.405 _____
- b) 84.037 _____

3. Write an equivalent decimal for each decimal.

- a) 0.23 _____ b) 0.6 _____

Practice

1. Record each number in the place-value chart.

a) 76 thousandths

b) 316 and 536 thousandths

c) 185 thousandths

d) 93 and 3 thousandths

	Hundreds	Tens	Ones	•	Tenths	Hundredths	Thousandths
a)				•			
b)				•			
c)				•			
d)				•			

2. Write each number as a fraction.

a) 0.047 _____ b) 0.354 _____ c) 0.739 _____

d) 0.001 _____ e) 0.72 _____ f) 0.506 _____

3. Write each number in question 2 in expanded form.

a) _____ b) _____

c) _____ d) _____

e) _____ f) _____

4. Write each fraction as a decimal.

a) $\frac{9}{1000}$ _____ b) $\frac{6}{100}$ _____ c) $\frac{85}{1000}$ _____

d) $\frac{25}{1000}$ _____ e) $\frac{367}{1000}$ _____ f) $\frac{8}{1000}$ _____

Stretch Your Thinking

Use the digits 0, 2, 3, and 6.

Make a number that is greater than 1 but less than 4.

Find as many numbers as you can.
