

## G5-M1-Lesson 5

1. Express as decimal numerals.

- a. Eight and three hundred fifty-two thousandths

8.352

- b.
- $\frac{6}{100}$

0.06

- c.
- $5\frac{132}{1000}$

5.132

The word *and* separates the whole numbers from the decimal numbers.

I can rewrite this fraction as a decimal. There are zero ones and zero tenths in the fraction 6 *hundredths*.

2. Express in words.

- a. 0.034

*Thirty-four thousandths*

- b. 73.29

*Seventy-three and twenty-nine hundredths*

The word *and* separates the whole numbers from the decimal numbers.

3. Write the number in expanded form using decimals and fractions.

303.084

$$3 \times 100 + 3 \times 1 + 8 \times 0.01 + 4 \times 0.001$$

$$3 \times 100 + 3 \times 1 + 8 \times \frac{1}{100} + 4 \times \frac{1}{1000}$$

This expanded form uses decimals. 8 hundredths is the same as 8 units of 1 hundredth or  $(8 \times 0.01)$ .

This expanded form uses fractions.

$$\frac{1}{1000} = 0.001. \text{ Both are read as}$$

4. Write a decimal for each of the following.

a.  $4 \times 100 + 5 \times 1 + 2 \times \frac{1}{10} + 8 \times \frac{1}{1000}$

405.208

There are 0 tens and 0 hundredths in expanded form, so I wrote 0 tens and 0 hundredths in standard form too.

b.  $9 \times 1 + 9 \times 0.1 + 3 \times 0.01 + 6 \times 0.001$

9.936

$3 \times 0.01$  is 3 units of 1 hundredth, which I can write as a 3 in the hundredths place.