Name _____

Another Look!

One of the largest ostrich eggs laid weighed 5.476 pounds. What is the value of the digit 6 in 5.476?

ones		tenths	hundredths	thousandths
5	.	4	7	6
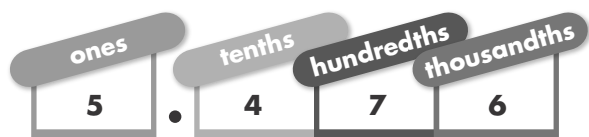
Standard Form: 5.476

Expanded Form: $(5 \times 1) + \left(4 \times \frac{1}{10}\right) + \left(7 \times \frac{1}{100}\right) + \left(6 \times \frac{1}{1,000}\right)$

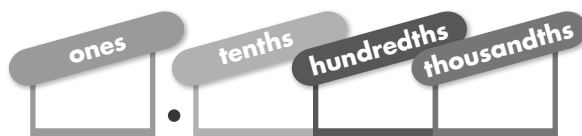**Number Name:** Five and four hundred seventy-six thousandths

The digit 6 is in the thousandths place, so the value is 0.006.

> A place-value chart can show you the value of each digit in a decimal.

1. Complete the place-value chart for the following number. Write its number name and tell the value of the underlined digit.

   6.3$\underline{2}$4

ones		tenths	hundredths	thousandths
	.			

2. Write 863.141 in expanded form.

In **3–5**, write each number in standard form.

3. $(8 \times 1) + \left(5 \times \frac{1}{100}\right) + \left(9 \times \frac{1}{1,000}\right)$

4. $1 + 0.9 + 0.08 + 0.001$

5. Four hundred twenty-five and fifty-two hundredths

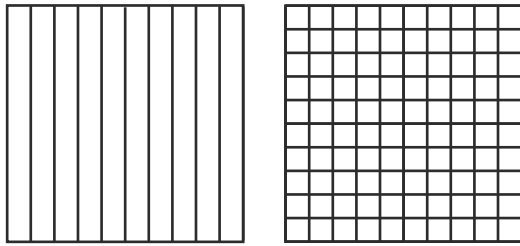In **6–9**, write two decimals that are equivalent to the given decimal.

6. 5.300   7. 3.7   8. 0.9   9. 2.50

10. Shade the models to show that 0.7 and 0.70 are equivalent.

11. Marco has a piece of wood that measures $9 \times \frac{1}{10} + 6 \times \frac{1}{100} + 4 \times \frac{1}{1,000}$ meter. How can this measurement be written as a decimal?

12. There are 275 people in the movie theater. The same number of people are seated in each of the 5 different sections of the theater. How many people are seated in each section?

275 people

| ? | ? | ? | ? | ? |

13. Construct Arguments Cheryl's softball batting average is 0.340, and Karin's is 0.304. Karin says they have the same average. What error did she make? Explain.

14. Number Sense Nico spent eight dollars and seventy-five cents on lunch. Which two items did Nico buy?

DATA

Lunch Menu

Item	Price
Hamburger	$4.20
Chef Salad	$4.50
Tuna Sandwich	$4.05
Pizza	$4.25

15. Higher Order Thinking Anthony drew a pentagon with each side measuring 6 inches. Carol drew a hexagon with each side measuring 5 inches. Which shape has a greater perimeter? Write an equation to help explain your answer.

✓ **Assessment Practice**

16. Find two decimals that are equivalent to $(8 \times 100) + \left(3 \times \frac{1}{10}\right) + \left(6 \times \frac{1}{100}\right)$. Write the decimals in the box.

| 8.36 800.36 800.036 800.306 8.360 800.360 |