NAME _____ | DATE _____

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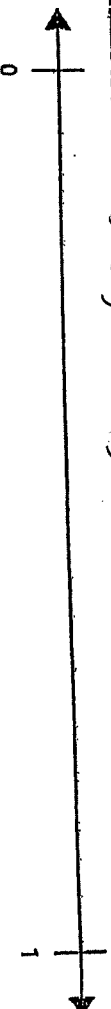**1** Fill in the table with the missing representations.

Base Ten Numerals	Number Names	Expanded Form
	two hundred thirty six thousandths	
5.014		
		$(6 \times 1) + (2 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (2 \times \frac{1}{1000})$

2 Write the symbol >, =, or < to compare each pair of decimal numbers.

0.18 ▨ 0.2   0.407 ▨ .470   8.126 ▨ 8.489

3 Order the following by putting them in approximately the correct places on the number line: •303, •414, •041, •888

0 ←————————————————————→ 1

4 Round each number.

Number	To the nearest 1	To the nearest tenth	To the nearest hundredth
5.904			
33.475			

5 Find the answer to each problem. Show your work.

a 2.98 + 3.66

b 7.75 − 6.4

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6 Find the sums and differences.

$$62.8 + 14.7$$

$$3.94 + 3.86$$

$$4.03 - 1.80$$

$$1.74 - 0.89$$

7 The baseball stadium in our town holds thousands of people. Today is Bring Your Dog Day, and they're only charging $3.85 admission.

a Complete the table below to show how much money they'll make for different numbers of people.

Number of People	1		100	1,000	10,000
Amount of Money	$ 3.85	$ 38.50			$ 38,500.00

b What happens to the number of zeroes in the product as you multiply a number by powers of 10 (10, 100, 1000, and so on)? Why?

c Sara was looking at the table above. She noticed that when you multiply a number by powers of 10 (10, 100, 1000, and so on), the decimal point moves over to the right by one place every time. Explain to Sara why it works this way.

8 1 gram is 1,000 milligrams. 1 kilogram is 1,000 grams.

a How many grams is 585 kilograms? 585 kg = _____ g

b How many kilograms is 25 grams? 25g = _____ kg

c How many milligrams is 4.2 grams? 4.2g = _____ mg

d How many kilograms is 12,500 grams? 12,500g = _____ kg