4 Chapter Review

Key Words

For #1 to #3, unscramble the letters. Use the clues to help you.

1. PCEERNT

_____ means out of 100.

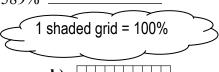
FIONAARTCL

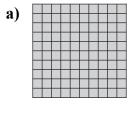
A ______ percent is a percent that is less than 1%.

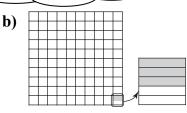
CIMBOEND

Percents that are added together are called ______ percents.

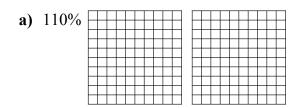
- 4.1 Representing Percents, pages 166-171
- How many hundred grids are needed to show each percent?
 - a) 55% _____
- **b)** 589% _____
- What percent is shown in each diagram?

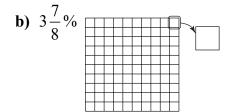






Use hundred grids to show each percent.



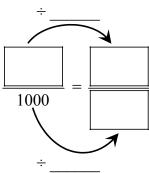


4.2 Fractions, Decimals, and Percents, pages 173-186

7. Write 0.115 as a percent and a fraction. Write the fraction in lowest terms.

Percent:

Fraction:



8. Write $\frac{3}{200}$ as a decimal and a percent.

Decimal:

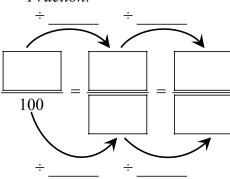
_____÷___=___

- **9.** Write each percent as a decimal and a fraction in lowest terms.
 - a) Sales increased by 140%.

Decimal:

 ÷	 =	

Fraction:



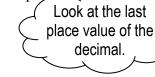
b) You can reduce harmful emissions by $\frac{9}{10}\%$ if you get your car tuned up.

Decimal:

$$\frac{9}{10}\% = 0.$$
_____%

Fraction:





4.3 Percent of a Number, pages 188-194

- 10. Find the percent of each number.
 - a) 115% of 230

Write 115% as a decimal:

b) 500% of 0.2

500% = 100% + 100% + _____ + ____ + ____ + _____

100% of 0.2 =_____

500% of 0.2 = _____ + ____ + ____ + ____ + ____ + _____ + ____

or

Write 500% as a decimal:

_____× _____= ____

c) $\frac{1}{10}$ % of 800

 $\frac{1}{10}\% = 0.$ _____%

To write the percent as a decimal, divide by 100.

 $\frac{0}{0} = \frac{100}{0}$

Multiply the decimal by 800.

____× 800 = ____

Naı	me:	Date:
11.	Julia borrowed \$100 from her brother. He charged her 5% interest per month. How much does Julia owe her brother at the end of the month? Interest = 5% of \$100	Change% to a decimal
	=×	
	Amount owed = amount borrowed + interest	
	=+	
	Sentence:	
4.4	Combining Percents, pages 196–202	
12.	Cedarville had a population of 1200 people. During the last 2 years, its population has increased by 15%. What is the new population of Cedarville?	
	Sentence:	
13.	The cost of an airline ticket is \$289.50. Find the total cost after adding 5% GST, 7% PST, and 1% airport imp	provement tax.
	Sentence:	