

Name: _____

Unit 2 Study Guide

I am a 6 digit number:

- One of my 5s is worth 500,000. The other is worth $\frac{1}{10}$ as much
- My 8 is worth 8 [100s]
- My 2 is worth $2 * 10$
- My other digits are 3

What number am I? _____

Miles	Feet	Pounds	Ounces
1	5,280	1	16
2		3	
4		5	
	26,400	6	

Standard Notation	Products of 10	Exponential Notation
100		
		10^4
1,000,000		
	$10 \times 10 \times 10$	
		10^7

Marla is collecting Box Tops for her school. She has 12 baggies that have 57 Box Tops in each baggie. The class needs at least 475 more Box Tops to win the school competition. Does she have enough Box Tops to help her class win? Explain your answer.

Did you find the exact answer? Explain why or why not?

Write an expression with **grouping symbols** to model the number story. Then solve.

Jim is shipping a birthday present to his friend. The gift weighs **3 pounds**. The box and shipping materials weigh **12 ounces**. What is the total weight of the package **in ounces**?

Number Model: _____

Answer: _____

Create a mathematical model for the problem. Then solve the problem and show your work. Explain how you decided what to do with the remainder.

Susie is putting her photo collection in an album. She has 442 photos. Each page in the album can hold 25 photos. How many pages will she need for the album?

Quotient: _____ Remainder: _____

What does the remainder represent? _____

Answer: Susie will need _____ pages.

Circle what you did with the remainder: ignored it rounded the quotient up

Why? _____



Make an estimate for each problem. Then solve using traditional multiplication.

$496 * 8 = ?$

$67 * 14 = ?$

Estimate: _____

Estimate: _____

Actual Answer: _____

Actual Answer: _____

Make an estimate for each problem. Then solve.

$624 \div 5 = ?$

$870 \div 25 = ?$

Estimate: _____

Estimate: _____

Actual Answer: _____

Actual Answer: _____

EXTRA WORK SPACE