

Name: _____

5th Grade Math Unit 3 Study Guide

Vocabulary Match

Match each vocabulary term with its corresponding definition.

Term	Definitions
Whole Number	A. A dot between the ones and tenths places that represents a break between whole numbers and decimals
Decimal	B. The number being divided by the divisor
Place Value	C. The left over part of the division equation
Tenths	D. The place that represents a whole divided into a thousand parts
Hundredths	E. Having the same value
Thousandths	F. The place that represents a whole divided into a hundred parts
Decimal Point	G. Tells us what the value of each digit in each place is
Divisor	H. Exponents of ten
Dividend	I. A number that is made up of whole parts
Remainder	J. The place that represents a whole divided into ten parts
Powers of Ten	K. The number you divide the dividend by
Exponents	L. Numbers that usually represent a piece of a whole
Equivalent	M. A number that represents the number of times another number should be multiplied to itself by

Exponents Practice

Solve the following problems by thinking about powers of ten.

Factor	Multiplied by...	Equals... (Product)
1.24	10^1	
	10^2	
	10^3	
	10^4	

1.24 be multiplied by to get 1,240,000? _____

Dividend	Divided by...	Equals... (Quotient)
24.10	10^0	
	10^1	
	10^2	
	10^3	

Multiplying and Dividing Decimals

Solve. Show your work.

$5 \times 0.4 =$

$4.01 \times 2.1 =$

$2 \times 1.2 =$

$12.9 \times 1.8 =$

$1.4 \times 4.7 =$

$5 \div 0.2 =$

$0.5 \times 0.4 =$

$4 \div 0.5 =$

$2.43 \times 1.4 =$

$1.5 \div 3 =$

$4.2 \div 0.6 =$

$4.27 \div 0.2 =$

$3.12 \div 0.4 =$

$5.35 \div 0.9 =$

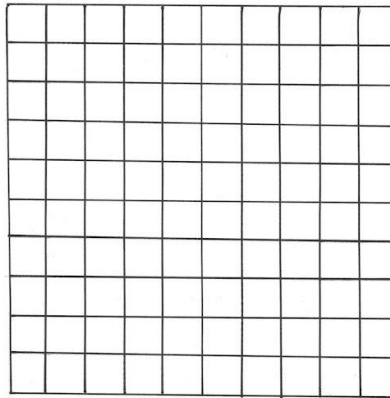
Decimal Word Problem - Multiplication

Ava has 0.9 inches of a tootsie roll. She wants to give 4 tenths of it to her brother. How many inches will Ava give to her brother? Use the grid to solve. Then check using standard algorithm.

Estimate:

Grid:

Standard Algorithm:



Decimal Word Problem – Division

Jaylen has 6.37 meters of yarn to create scarves. He will need 0.7 meters of yarn for each scarf. How many scarves can Terence knit? Use a number line to solve. Then use long division to check.

Number Line:

Long Division: