



Fourth Grade Unit 8 Review, Mastery, and Extend

Volume 7 Issue 1

References

Helpful Links:

Links for Parents to build background knowledge to preview 5th Grade:

(5.NBT.1)

<https://learnzillion.com/resources/72778-recognize-the-value-of-digits-in-a-multi-digit-number-5-nbt-a-1>

(5.NBT.2)

<https://learnzillion.com/resources/72620-explain-and-represent-patterns-when-multiplying-or-dividing-by-a-power-of-ten-5-nbt-a-2>

(5.NBT.5)

https://learnzillion.com/lesson_plans/8041-use-the-standard-algorithm-for-multiplication

(5.NBT.6)

<https://learnzillion.com/resources/72204-find-whole-number-quotients-with-up-to-4-digit-dividends-and-2-digit-divisors-5-nbt-b-6>

Dear Parents

Fourth Grade is coming to an end! At this time, students are reviewing standards learned, mastering standards and possibly previewing standards for fifth grade. The fourth grade focus was to:

- Addition and subtraction with the traditional algorithm
- Multiply and divide whole numbers
- Operations with fractions
- Angle measurement

Concepts students may preview for 5th Grade

- 5.NBT.1 Place value with decimals
- 5.NBT.2 Powers of 10 patterns
- 5.NBT.5 Fluently multiply multi-digit numbers with the standards algorithm up to a 3 digit by 2 digit factor
- 5.NBT.6 Fluently divide up to 4 digit numbers by 2 digit divisors

Vocabulary

Exponent: showing the number of times the base number is multiplied by itself

Quotient: answer to a division problem

Fluently: accurately and efficiently

Georgia Math Grade 4 Textbook

Textbook Online:

connected.mcgraw-hill.com

Ask your teacher for the online passcode

Example 1

The value of a digit depends upon its position in a number. You can find the value of a digit by multiplying it by its place.

Millions			Thousands			Ones			Decimals		
Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
								3	3	3	3

$(3 \times 1) + (3 \times 0.1) + (3 \times 0.01) + (3 \times 0.001)$

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Example 2

$$2.5 \times 10^3 = 2.5 \times (10 \times 10 \times 10) = 2.5 \times 1,000 = 2,500$$

Example 3

Multiply 512×46

512
 $\times 46$

First, we need to multiply 512 by 6.

Then we need to multiply 512 by 40.

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Example 4

$$350 \div 10 = 35$$

$$350/_{10} = 35$$

$$(350 \times 1/_{10}) = 35$$

Home Activities

- When grocery shopping, have your child read the cost of items with the correct place value.
- Practice addition, subtraction, multiplication and division facts
- Make up numbers, roll numbers with dice, or find numbers (on labels) and multiply or divide them
- Play online games such as: <http://www.adaptedmind.com/gradelist.php?grade=5>
- When driving, use street numbers to multiply and divide