Third Grade Math
Review, Master, and Extend

Dear Parents,

Summer presents a great opportunity to continue learning from home. Students can review standards learned in Third Grade, ensure mastery of key standards, and preview standards for Fourth Grade. The Third Grade focus was to:

- Multiply and divide within 100
- Represent and compare fractions

Concepts students may preview for 4ᵗʰ Grade

- Read, write, and compare multi-digit whole numbers using < = >
- Use place value to round numbers
- Fluently add and subtract multi-digit whole numbers using the standard algorithm
- Use four operations to solve word problems with intervals of time

Vocabulary

Digit: any of the numerals from 0 to 9.
Expanded Form: 463,732= 400,000 + 60,000 + 3,000 + 700 + 30 + 2
Place value: value of a digit according to its place in a number
Standard Form: 463,732-an amount represented using numerals
Whole numbers: natural numbers including zero (0, 1, 2, 3, …)

Example 1

How is the 2 in the number 8,286 similar to and different from the 2 in the number 8,528?

Example 2

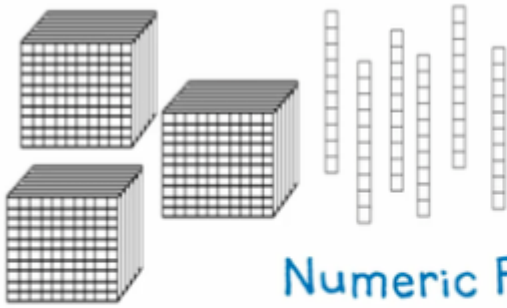Students should be able to explain why the algorithm works.

Example: 3892
            + 1567

Student explanation for this problem:
1. Two ones plus seven ones is nine ones.
2. Nine tens plus six tens is 15 tens.
3. I am going to write down five tens and think of the10 tens as one more hundred. (*Denotes with a 1 above the hundreds column*)

4. Eight hundreds plus five hundreds plus the extra hundred from adding the tens is 14 hundreds.
5. I am going to write the four hundreds and think of the 10 hundreds as one more 1000. (*Denotes with a 1 above the thousands column*)
6. Three thousands plus one thousand plus the extra thousand from the hundreds is five thousand.

Example 3

Rounded to the nearest hundred=3100 and rounded to the nearest thousand= 3000.

Example 4

Your mother takes a 2 hour nap after work. If she went to sleep at 4:15pm, what time did she wake up?
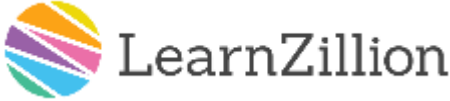
Home Activities

- Before a car trip, ask your child to read the odometer. Write the number down. When you reach the new destination have your child read the odometer again. Subtract to find the distance traveled.
- Have your children compare whole numbers in daily routines by looking at the paper, watching the news, reading road signs, addresses etc.
- Incorporate time in everyday activities such as having your child tell you what time to get ready and leave to places etc.
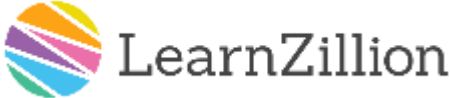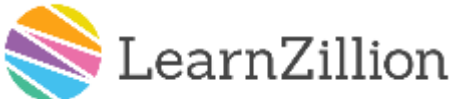
Internet Resources

Textbook Online: **connected.mcgraw-hill.com**

Textbook Publisher	Print and/or consumable	Online Access
My Math McGraw-Hill 2013	Consumable Workbook	http://connected.mcgraw-hill.com/connected/login.do **Student User ID: ccsd(student ID)**

		Password: cobbmath1

Learning Links to build background knowledge and to preview 4th Grade:

Skill & Concept	Website	Link
Early Math	**KHAN**ACADEMY **Getting started is simple:** Click Start Mission, Create a New Account, sign up using either gmail, facebook or email address. Enter your name and birthdate, follow the link that is sent to your account, and finish by signing up with a username and password.	**https://www.khanacademy.org/math**
Read, write, and compare multi-digit whole numbers (4.NBT.A.2)	LearnZillion	https://learnzillion.com/resources/72467-read-write-and-compare-multi-digit-whole-numbers-4-nbt-a-2

Add and subtract using the standard algorithm (4.NBT.B.4)		https://learnzillion.com/resources/73029-add-and-subtract-using-the-standard-algorithm-4-nbt-b-4
Round multi-digit whole numbers to any place (4.NBT.A.3)		https://learnzillion.com/resources/72547-round-multi-digit-whole-numbers-to-any-place-4-nbt-a-3
Find start and end times: multi-step word problems		https://www.ixl.com/math/grade-4/find-start-and-end-times-multi-step-word-problems