**Getting familiar with the Common Core standards** <http://www.corestandards.org/Math/>

**Looking at Content**.

In the menu panel on the right, you will find a listing of **Standards by Domain**.

1. Open **Counting and Cardinality**

a. Which grade level(s) are included?

b. Read the K.CC.B standards. What does **cardinality** mean? (I think you can figure it out from context, but you can look it up or email me to ask if necessary).

2. Open **Operations and Algebraic Thinking**

a. Which grade level(s) are included?

b. At which grade levels is **representing** operations (addition, subtraction, multiplication or division) listed as a goal?

c. Which **properties** are listed as examples of ones children should use in solving problems?

d. Give an example of a **pattern** as discussed in the third grade standards.

e. Give an example of a **pattern** as discussed in the fourth grade standards.

3. Open **Number and Operations in Base Ten**

a. Find and tell a standard (tell the standard number eg. 3.NBT.A.1) that uses the word “fluent”, “fluency” or “fluently”

b. What is the first standard in this list that specifically includes decimals?

c. Find and tell a grade 1 standard that specifically mentions concrete models

d. Find and tell a grade 5 standard that specifically mentions concrete models

e. By which grade are children supposed to use the standard addition algorithm?

4. Open the **Number and Operations-Fractions** list

a. What grades are represented?

b. Tell a standard that specifies showing fractions on a number line

**Looking at Standards for Mathematical Practice**

At the top of the right menu bar, you’ll find a link to the Standards for Mathematical Practice

5. Read Standard MP1: Make sense of problems and persevere in solving them. List 3 specific things that this standard suggests that children should be able to do.

a.

b.

c.

6. Read Standard MP7: Look for and make use of structure. Give two examples of how structure can help you solve a math problem (you can repeat examples from the text of the standard, or you can come up with your own).