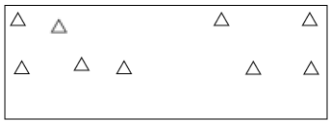
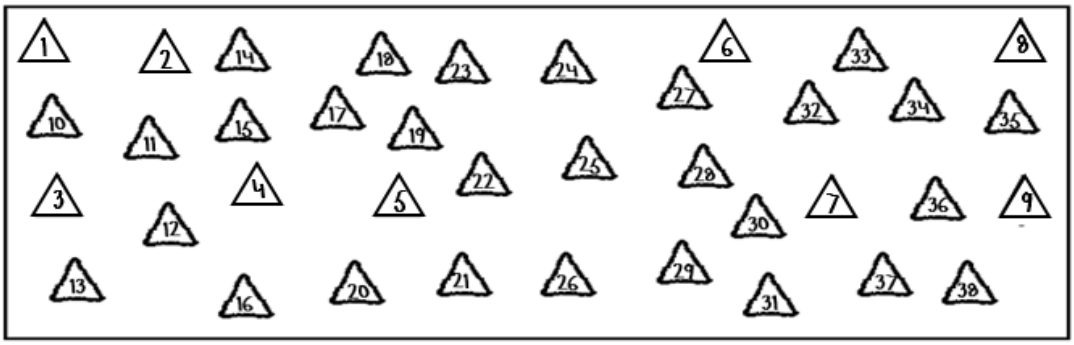
Grade 1 Important Math Information

Numbers to 60, Addition to 20 and Subtraction from 12

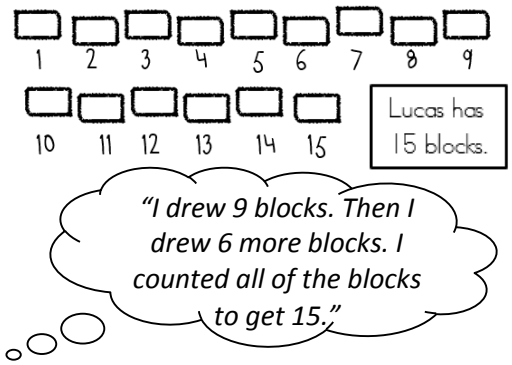
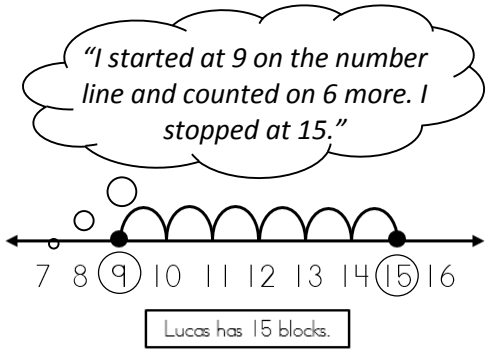
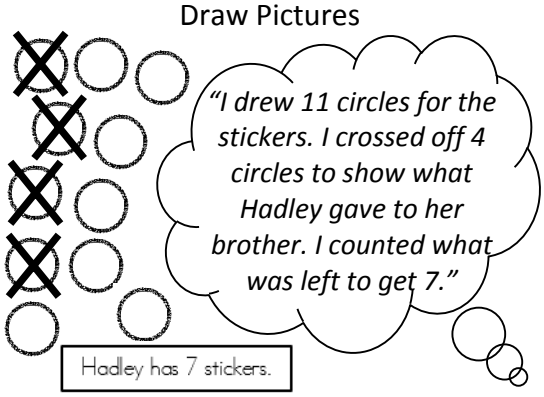
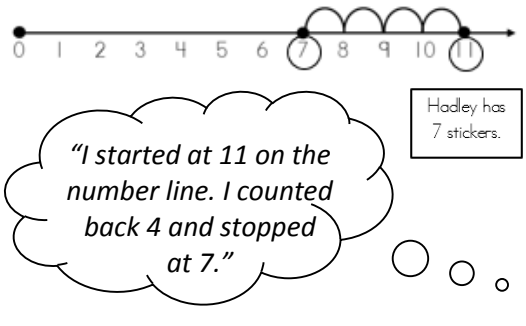
Dear Family,

We are beginning a new unit of study in mathematics called *Numbers to 60, Addition to 20 and Subtraction from 12.* This unit of study continues much of the work started at beginning of the year and focuses on counting, addition, subtraction, finding two addends for a number, and the meaning of the equal sign. The specific learning goals your student will be working toward are listed below with examples of student work showing understanding of each learning goal.

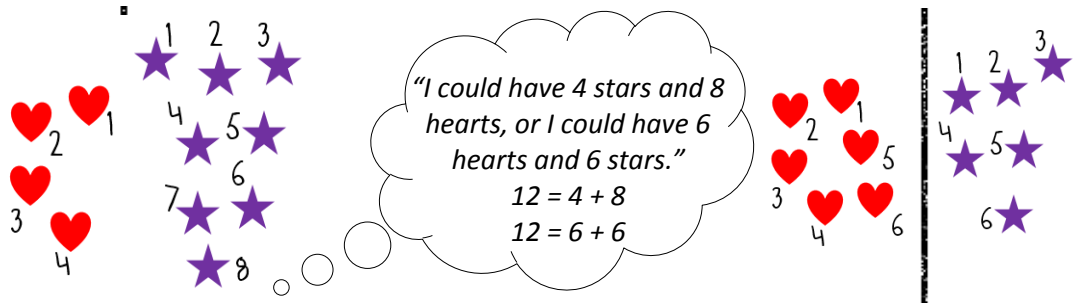
Learning Goal: Count to 60 starting at any number, read and write numerals to 60, and represent up to 60 objects with a written numeral.

Example Problem	**Example Student Solution**
Draw more △'s. so that there are 38 △'s in the set. 	

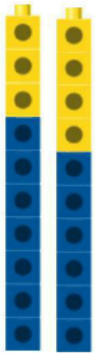
Learning Goal: Show and solve addition word problems with totals to 20 and subtraction word problems with totals from 12.

Example Problems	**Example Student Solutions**	
Lucas has 9 blue blocks and 6 yellow blocks. How many blocks does Lucas have?	Draw Pictures 	Use a Number Line 
Hadley had 11 stickers. She gave 4 stickers to her brother. How many stickers does Hadley have now?	Draw Pictures 	Use a Number Line 

Learning Goal: Break apart numbers up to 15 in more than one way.

Example Problem	Example Student Solutions
There are 12 beads on a bracelet. Some are hearts and some are stars. How many of each could there be?	

Learning Goal: Understand the meaning of the equals sign (=) and be able to tell whether an equation is true or false.

Example Problem	Example Student Solutions
Is this equation true or false? 7 + 3 = 6 + 4	 7 + 3 = 6 + 4 True! *"It is true. I made a tower with 7 blue cubes and 3 yellow cubes to show 7 + 3. I counted 10 total cubes. I made another tower with 6 blue cubes and 4 yellow cubes to show 6 + 4. I counted 10 cubes in that tower. Since 10 = 10, then 7 + 3 = 6 + 4 is true."*

Mathematical Thinking and Practices Learning Goal: Use numbers and symbols to show what is happening in situations.

Things you can do at home to support your student throughout this unit of study:

- **Count How Many**
  Count things that are in large quantities such as beans or pennies.

- **How Many am I Hiding?**
  Place up to 12 small objects (paper clips, coins, etc.) in your hand. Ask your student to count the number of objects that you have in your hand. Hide some of the objects in your other hand and show your student what is left. Ask your student to determine how many objects you are hiding.

- **Math and Literature**
  Here are some children's books that contain ideas related to our work in this mathematics unit of study. Look for them in your local public library and read them together.
  - Fish Eyes by Lois Ehlert
  - 12 Ways to Get to 11 by Eve Merriam
  - Math for All Seasons by Greg Tang