

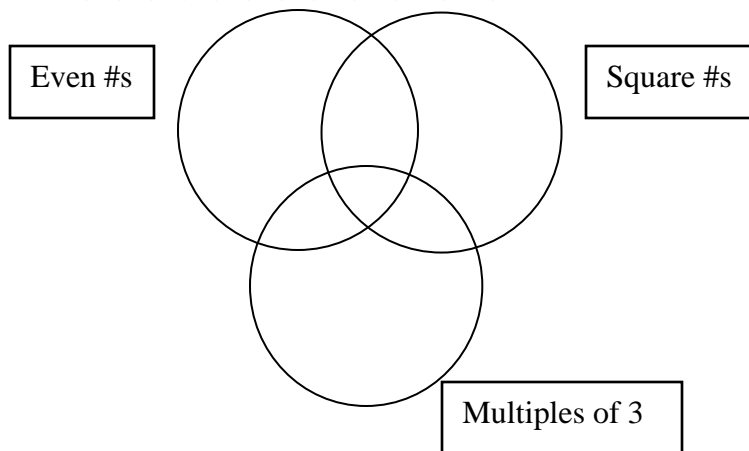


Mathematics Family Letter, Advanced Unit 2

Dear Family,

Our class is starting a new unit in math about the operation of multiplication. In this unit students review multiplication combinations they know (also called multiplication facts). The students will build an understanding of the multiplication properties and develop strategies for learning them. Analyzing and comparing attributes of numbers to classify is a strategy that will be addressed. Students will solve problems like these:

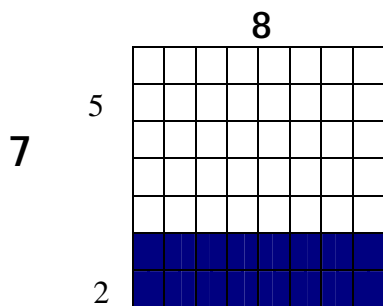
Comparing attributes of numbers: Place these Numbers in the Venn diagram below: 2, 3, 4, 5, 6, 7, 8, 9, 12, 16, 25, 36, 81



Using factors of a number, number relationships:

If 25 is a factor of 100, will 25 also be a factor of 300? How do you know?

Using arrays:



$$(7 \times 8) = (5 \times 8) + (2 \times 8)$$

$$7 \times 8 = 40 + 16$$

$$7 \times 8 = 56$$

Students will work on multiplication and division where they will solve problems with larger numbers and share a variety of solution strategies. In our math class, students spend time discussing problems in depth and are asked to share their reasoning and solutions. **It is most important that children accurately and efficiently solve math problems in ways that make sense to them and explain their thinking.** At home, encourage your child to explain his or her math thinking to you.

Sincerely,

The Fourth Grade Team