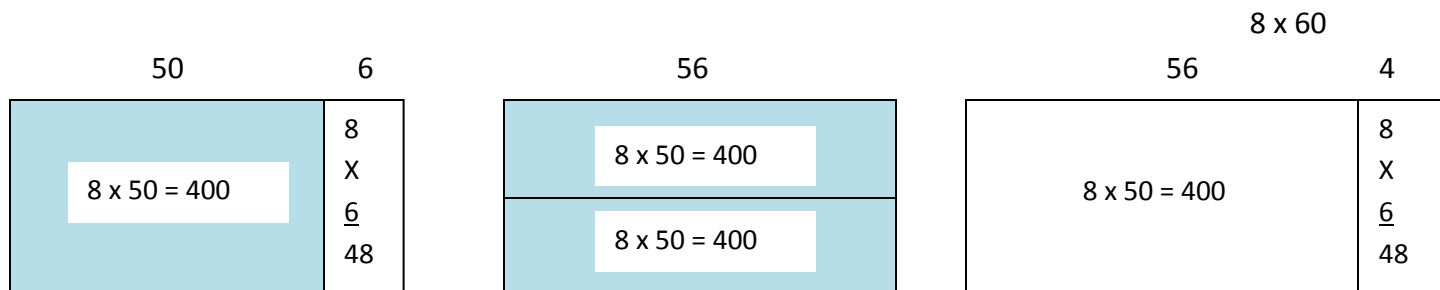# October Number Talks for 4th Grade

<u>Week 1 Focus:</u> Using Distributive Property and modeling student strategies with arrays
*Each problem provides a scaffold to the last problem of the day. Use cm grid paper to draw an array to show how the strategy works.

Day 1:   8 x 50   8 x 6   56 x 8
Examples of arrays that match possible student strategies for 56 x 8:

8 x 60

50	6		56		56	4
8 x 50 = 400	8 X 6 48		8 x 50 = 400 / 8 x 50 = 400		8 x 50 = 400	8 X 6 48

Day 2:   4 x 100   4 x 10   4 x 5   4 x 115
Day 3:   6 x 100   6 x 20   6 x 5   6 x 125

<u>Week 2 Focus</u>: Using Associative Property and arrays to understand multiplication by multiples of 10
Day 1: 4 x 4   (show the array)   4 x 40 After answers, ask   4 x 4 x 10
                                         What will array look like?   How are these 2 problems connected?

4x4	4x4	4x4	4x4	4x4	4x4	4x4	4x4	4x4

Day 2:   3 x 5   3 x 50   3 x 5 x 10
Day 3:   5 x 6   5 x 60   5 x 6 x 10

<u>Week 3 Focus:</u> Associative Property with Arrays
Day 1:   4 x 2 x 16   4 x 4 x 8   16 x 8
Day 2:   5 x 5 x 8   2 x 4 x 25   25 x 8
Day 3:   2 x 15 x 6   3 x 5 x 12   15 x 12

<u>Week 4 Focus:</u> Subtraction by adding up using a number line model
Day 1:   50 – 43   50 – 39   50 – 24
Day 2:   100 – 89   100 – 74   100 – 49
Day 3:   150 – 144   150 – 139   150 – 119

<u>Week 5 Focus:</u> Subtraction with keeping larger # whole and breaking 2nd number apart
Day 1:   200 – 30   200 – 35   200 -51
Day 2:   300 – 100   300 – 150   300 - 152
Day 3:   345 – 200   345 – 220   345 - 222