

October Number Talks for 5th Grade

Week 1 Focus: Associative & Distribute Properties modeled with open arrays

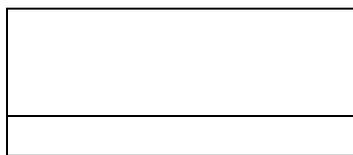
Day 1: 4×25 10×25 $12 \times 25^*$

*Use an open array to model student strategies. Examples of possible strategies are:

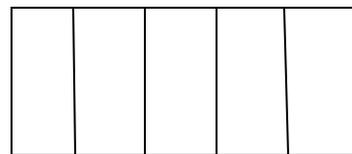
$$(4 \times 25) \times 3$$



$$(10 \times 25) + (2 \times 25)$$



$$(5 \times 12) \times 5$$



Day 2: 6×40 10×40 16×39

Day 3: 10×28 5×280 15×28

Week 2 Focus: Multiplication with landmark #s

Day 1: 6×9 6×99 6×199

Day 2: 8×49 8×119 8×149

Day 3: 8×25 16×25 24×25

Week 3 Focus: Division using a closed array model

Day 1: $24 \div 4$ $100 \div 4$ $124 \div 4$

Day 2: $30/5$ $130/5$ $135/5$

Day 3: $40/8$ $32/8$ $72/8$

Week 4 Focus: Division with remainders with array model

Day 1: $21 \div 5$ $121 \div 5$ $153 \div 3$

Day 2: $18 \div 6$ $180 \div 6$ $185 \div 6$

Day 3 $24/8$ $240/8$ $247/8$

Week 5 Focus: Subtraction with keeping larger # whole and breaking apart 2nd number

Day 1: $200 - 30$ $200 - 35$ $200 - 51$

Day 2: $300 - 100$ $300 - 150$ $300 - 153$

Day 3: $345 - 200$ $345 - 220$ $345 - 222$