



Common Core Collaborative Cards – Base Ten
Correlation to the Common Core State Standards

CARDS									
1 – 4	5 – 8	9 – 12	13 – 16	17 – 20	21 – 24	25 – 28	29 – 32	33 – 36	

Grade 3 Deck

Use place value understanding and properties of operations to perform multi-digit arithmetic.

3.NBT.1.	Use place value understanding to round whole numbers to the nearest 10 or 100.			x						
3.NBT.2.	Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.	x	x		x	x			x	x
3.NBT.3.	Multiply one-digit whole numbers by multiples of 10 in the range 10–90 (e.g., 9×80 , 5×60) using strategies based on place value and properties of operations.							x	x	

Grade 4 Deck

Generalize place value understanding for multi-digit whole numbers.

4.NBT.1.	Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.		x	x	x		x			
4.NBT.2.	Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.	x	x			x	x			
4.NBT.3.	Use place value understanding to round multi-digit whole numbers to any place.		x		x					

Use place value understanding and properties of operations to perform multi-digit arithmetic.

4.NBT.4.	Fluently add and subtract multi-digit whole numbers using the standard algorithm.			x		x				
4.NBT.5.	Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.							x	x	
4.NBT.6.	Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.									x



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Grade 5 Deck

Understand the place value system.

5.NBT.1.	Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left.	x	x						
5.NBT.2.	Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.				x	x	x		
5.NBT.3.	Read, write, and compare decimals to thousandths.								
a.	Read and write decimals to thousandths using base-ten numerals, number names, and expanded form, e.g., $347.392 = 3 \times 100 + 4 \times 10 + 7 \times 1 + 3 \times (1/10) + 9 \times (1/100) + 2 \times (1/1000)$.			x	x				x
b.	Compare two decimals to thousandths based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.								
5.NBT.4.	Use place value understanding to round decimals to any place							x	

Perform operations with multi-digit whole numbers and with decimals to hundredths.

5.NBT.5.	Fluently multiply multi-digit whole numbers using the standard algorithm.								
5.NBT.6.	Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.					x	x		
5.NBT.7.	Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.								x