**Kindergarten**

* **Count to 100 by ones and tens (Tasks 1, 3)**
* Count to 100 beginning from any given number (Task 2)
* **Write numbers 0 to 20 (Task 12, 14)**
* Represent number of objects with a numeral 0-20 (Tasks 12-14)
* One to one correspondence (Tasks 11, 12, 16)
* Answer “how many” questions about up to 20 items in a line, an array, circle or scattered configuration (Task 11)
* **Identify number of objects in one group as greater than, less than or equal. Compare the numbers (Task 19)**

**Addition/Subtraction**

* Represent add/sub in various ways.(Tasks 23-25)
* **Solve add/sub problems within 10 by using manip. and drawings (Tasks 23-25)**
* Decompose numbers up to 10 into pairs in mult. ways. (Task 23)
* Make ten with any number (Task 26)
* **Fluently add/sub within 5 (Tasks 23, 28)**
* Compose and decompose numbers to 20 into tens and ones (Task 17)

**Geometry**

* Shapes – squares, circles, triangles, rectangles, hexagon, cube, cone, cylinder, sphere
* Positional Words

**Bolded** skills represent foundational ideas that must be addressed before moving on to more sophisticated mathematical concepts.

**1st Grade**

* **Count to 120 (Task 1)**
* Count to 120 from a given number

(Tasks 4-5)

* **Read and write numbers to 120**

**(Tasks 14-15)**

* **Compare 2 two-digit numbers using symbols (Task 20)**
* **Finding 10 more/10 less (Task 10)**

**Addition/Subtraction**

* **Use add/sub within 20 to solve word problems (Task 26)**
* Add/Sub within 20 using various strategies**.** (Task 27)
* Solve word problems using addition with 2 whole numbers with a sum of less than 20 (Task 26)
* Understand subtraction as unknown addend.
* **Fluently add/sub within 10 (Task 28)**
* Add within 100 (may include regrouping, 2 digit and 1 digit & 2 digit and multiple of ten) (Task 29)
* Subtract multiples of ten (Task 30)

**Geometry**

* Compose two and three dimensional to create composite shapes.
* **Partition circles and rectangles (halves, fourths)**

**2nd Grade**

* **Count within 1000 by 5, 10, 100 (Tasks 5-10)**
* Odd/Even numbers up to 20
* **Read and write 3 digit numbers with understanding of hundreds, tens, ones in expanded, written and standard form (Tasks 14, 15, 18)**
* **Compare 2 three digit numbers (Tasks 21-22)**

**Addition/Subtraction**

* **Use add/sub within 100 to solve one and two step word problems.** **(Task 31)**
* **Fluently add/sub within 20 (Tasks 27-28)**
* Use addition to find total in arrays up to 5 rows and columns. Write an equation.
* **Fluently add/sub within 100 using strategies. (Tasks 29-30)**
* Add 4 two digit numbers
* Add/Sub within 1000 with regrouping using manip and drawings (Task 32)
* **Mentally add/sub 10 or 100**
* Explain why add/sub strategies work. (Task 27)

**Measurement/Geometry**

* Tell time to nearest 5 minutes
* Solve problems with dollars, quarters, dimes, nickels, pennies
* **Partition circles/rectangles (halves, thirds, fourths )**

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**3rd Grade**

* Solves two step word problems using 4 operations (Tasks 7, 8, 18, 20)
* **Use place value to round to nearest 10 or 100 (Tasks 1- 3, 7)**
* **Place value up to 10,000 (Tasks 4-6)**

**Addition/Subtraction**

* **Fluently add/sub within 1000 (Tasks 7-11)**

**Multiplication/Division**

* **Understanding of basic multiplication (5 groups of 7 is 5x7) (Tasks 12-14)**
* **Understanding of basic division (sharing of objects equally, 56 objects shared in 8 equal groups is 56 divided by 8) (Tasks 17, 20)**
* Describe in context when mult/div expressions would be used
* **Use mult/div within 100 to solve word problems in various ways.
(Task 7)**
* **Fluently mult/div within 100. Know from memory. (Tasks 12, 13, 16, 17)**
* Apply properties of operations to mult/div . (Tasks 16, 19)
* Understand division as unknown factor (32 divided by 8 is 8 times \_\_\_) (Task 16)
* Multiply one digit numbers by multiples of 10. (Task 15)

**Fractions**

* **Understands parts of a whole – denominators 2, 3, 4, 6, 8**
* **Simple Equivalent Fractions (Task 23)**
* **Compare fractions by reasoning about size. (Task 22)**
* **Represent fractions on number line**

**Measurement/Geometry**

* Tell time to nearest minute. Solve problems using add/sub of time
* Quadrilaterals

**4th Grade**

* Solve multi-step word problems with 4 operations (Tasks 7,8, 18, 20)
* Find factors for numbers up to 100
* **Understand place value to 1,000,000 (digit is ten times the digit to the right) (Tasks 7-11)**
* Compare 2 multi-digit numbers using symbols. (Task 6)
* **Round to any place (Tasks 1-3, 7)**

**Addition/Subtraction**

* Fluently add/sub multi-digit numbers using standard algorithm. (Tasks 10-11)

**Multiplication/Division**

* **Mult/Div to solve word problems (A blue scarf costs $3. A red scarf costs 6 times as much. Ho w much does the red scarf cost?) (Tasks 7, 18, 20)**
* **Multiply 4 digits by 1 digit & Multiply two 2 digit numbers (Tasks 18-19)**
* **Divide 4 digit by 1 digit with remainders using various strategies. (Task 20)**

**Fractions**

* Denominators – 2,3,4,5,6,8,10,12,100
* **Explain equivalence of fractions (Task 23)**
* Compare 2 fractions with different num/den
* Add/Sub mixed numbers with like denominators (Task 21)
* **Solve word problems with add/sub of fractions (Task 21)**
* Multiply fraction by a whole number using models
* **Solve word problems involving multiplication of fraction by whole number.**
* Express fraction with denominator of 10 with equiv. denominator of 100.

**Decimals**

* **Use decimal notation (Tasks 24-25)**
* Compare 2 decimals up to hundredths. (Task 26)