Math Common Core Grade 3

Number	Standard	Description
1	OA.A1	Interpret "x" (5x7=35 is 5 groups of 7 objects, with 35 total), e.g. be able to Describe a context in which a total number of objects can be expressed as 5x7
2	OA.A2	Interpret quotients (56 ÷ 8 as number of objects partitioned into 8 shares, OR partitioned into equal shares with 8 in each.)
3	OA.A3	Use multiplication and division within 100 to solve word problems involving equal groups, arrays, and measurement quantities, with drawings or equations
4	OA.A4	Find the unknown anywhere in a 3 whole number equation (8 x __ = 48 ; 5 = ___ ÷ 3; 6 x 6 = ____)
5	OA.B5	Communicative property (if 6 x 4 = 24 then 4 x 6 = 24) Associative property (3 x 5 x 2 can be found by 3 x 5 = 15 and then 15 x 2 = 30 or by 5 x 2 = 10, then 3 x 10 = 30 Distributive Property if 8 x 5 = 40 and 8 x 2 = 16, then 8 x 7 = (8x5) + (8x2) *Note: don't need to know names of properties*
6	OA.B6	Use unknown factor to solve division (32 ÷ 8 = ? can be solved by knowing 8 x 4)
7	OA.C7	Fluently multiply and divide within 100 (Know from memory all products of 2 one digit numbers
8	OA.D8a	Solve 2 step word problems using + - x ÷ and represent with equations
9	OA.D8b	Use estimation and/or mental computation to assess reasonableness of answers
10	OA.D9	Understand patterns in the addition or multiplication tables (ex: explain why 4 times a number is always even and why it can be composed into 2 equal addends)
11	NBT.A1	Use place value to round to the nearest 10 or 100
12	NBT.A2	Fluently add and subtract within 1000 using algebraic equations
13	NBT.A3	multiply 1 digit whole numbers by multiples of 10 (9 x 80; 5 x 60) using place value or algebraic equations
14	NF.A1	Understand fractional notation 1/b → where we have 1 part of b parts of a whole (b = only 2, 3, 4, 6, 8)
15	NF.A2	Understand a fraction as a number on a number line and draw them there
16	NF.A3a	Understand fraction equivalences (= if they are the same size) or are the same point on a number line
17	NF.A3b	Recognize and generate simple equivalent fractions (1/2 = 2/4 4/6 = 2/3)
18	NF.A3c	Express whole numbers as fractions and write them in fraction form 3 = 3/1; 4/4 = 1; 6/1 = 6)
19	NF.A3d	Compare 2 fractions with the same numerator or denominator by reasoning about size using <,>,=
20	MD.A1a	Tell and write time to the nearest minute;
21	MD.A1b	Solve word problems involving adding and subtracting time to the minute, can represent time on a number line
22	MD.A2	Measure and estimate liquid volume and mass (grams, kilograms, liters) Solve word problems (+,-,x, ÷) involving mass and volume
23	MD.B3	draw a scaled (meaning 1 square = 5 pets) picture graph and bar graph. Solve 1 -2 step "How many more and how many less" problems.
24	MD.B4	Measure length on rulers with halves and fourths of an inch. (Show on line plot)
25	MD.C5a	Know: A unit square (square with sides 1 unit) – has 1 square unit of measure
26	MD. C5b	Know and find the area of a plane figure covered with not gaps in n square units
27	MD.C6	Measure areas by counting unit squares (sq. cm, m, in, ft, and improvised units)
28	MD.C7a	Find the area of a rectangle with tiles and multiplying the side lengths (l x w)
29	MD.C7b	Solve area of rectangle in word problems, represent products as rectangular areas in reasoning
30	MD.C7c	Use tiles to show that the area of a and b+c = a x b and a x c
31	MD.C7d	Recognize area as additive (decompose rectangles into smaller parts) → put into word problems
32	MD.D8	Solve for perimeters of polygons (in word problems where given side lengths, solve for missing side length, diff. areas but same perimeter, different perimeters, same area)
33	G.A1	Understand shapes and their attributes (rhombuses, rectangles, quadrilaterals) draw and categorize
34	G.A2	Partition shapes into parts with equal areas → express as a fraction of the whole