

Operations & Algebraic Thinking

3rd Grade—"I Can Do Math"

I can write and solve problems using multiplication & division.

3.OA.1 □ I can understand multiplication by thinking about groups of objects.

3.OA.2 □ I can understand division by thinking about how one group can be divided into smaller groups.

3.OA.3 □ I can use what I know about multiplication and division to solve word problems.

3.OA.4 □ I can find the missing number in a multiplication or division equation.

3.OA.5 □ I can use the Commutative property of multiplication (e.g. I know that if $6 \times 4 = 24$, then $4 \times 6 = 24$).

3.OA.5 □ I can use the Associative property of multiplication (e.g. To figure out $3 \times 5 \times 2$, I can multiply $3 \times 5 = 15$, then $15 \times 2 = 30$ OR multiply $5 \times 2 = 10$, then $3 \times 10 = 30$).

3.OA.5 □ I can use the Distributive property of multiplication (e.g. To figure out 8×7 , I can think of $8 \times (5 + 2)$ which means $(8 \times 5) + (8 \times 2) = 40 + 16 = 56$).

3.OA.6 □ I can find the answer to a division problem by thinking of the missing factor in a multiplication problem (e.g. I can figure out $32 \div 8$ because I know that $8 \times 4 = 32$).

3.OA.7 □ I can multiply and divide.

3.OA.7.a □ I can fluently multiply and divide within 100 easily and quickly because I know how multiplication and division are related.

3.OA.7.b □ I can memorize all products of two one-digit numbers.

3.OA.8 □ I can solve two-step word problems.

3.OA.8. a □ I can solve two step-word problems that involve addition, subtraction, multiplication, and division.

3.OA.8 .b □ I can solve two-step word problems by writing an equation with a letter in place of the number I don't know.

3.OA.8 .c □ I can use mental math to figure out if the answers to two-step word problems are reasonable.

3.OA.9 □ I can find patterns in addition and multiplication tables and explain them using what I know about how numbers work.

Numbers &

Operations in Base 10

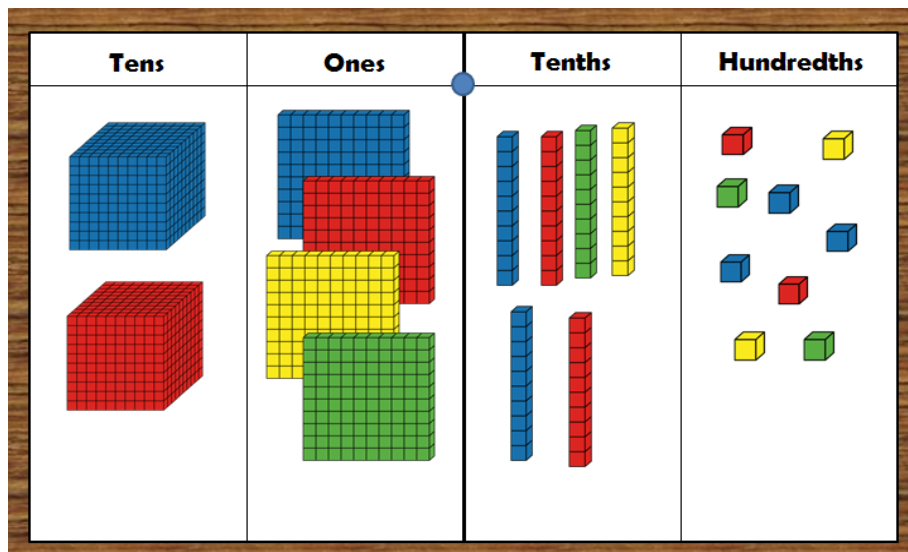
3rd Grade—"I Can Do Math"

I can use what I know about place value and operation (+, -, x, /) to solve problems with larger numbers.

3.NBT.1 □ I can use place value to help me round numbers to the nearest 10 or 100.

3.NBT.2 □ I can quickly and easily add and subtract numbers within 1000.

3.NBT.3 □ I can multiply any one digit whole number by a multiple of 10 (6 x 90, 4 x 30).



Numbers &

Operations: Fractions

3rd Grade—"I Can Do Math"

I can use what I know about place value to help me add and subtract.

3.NF.1 □ I can show and understand that fractions represent equal parts of a whole, where the top number is the part and the bottom number is the total number of parts in the whole.

3.NF.1.a □ I can understand that a fraction ($1/b$) is the quantity formed by one part when a whole is broken into equal (b) parts.

3.NF.1.b □ I can understand that a fraction (a/b) is the quantity formed by one part of ($1/b$).

3.NF.2 □ I can understand a fraction as a number on the number line by showing fractions on a number line diagram.

3.NF.2.a □ I can label fractions on a number line because I know the space between any two numbers on the number line can be thought of as a whole.

3.NF.2.b □ I can show a fraction on a number line by marking off equal parts between two whole numbers.

3.NF.3 □ I can understand how some different fractions can actually be equal.

3.NF.3 □ I can compare fractions by reasoning about their size.

3.NF.3.a □ I can understand two fractions as equivalent (equal) if they are the same size or at the same point on a number line.

3.NF.3.b □ I can recognize and write simple equivalent (equal) fractions and explain why they are equal using words or models.

3.NF.3.c □ I can show whole numbers as fractions ($3 = 3/1$).

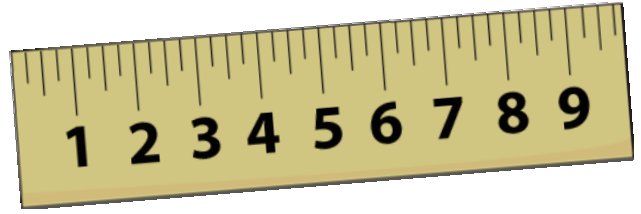
3.NF.3.c □ I can recognize fractions that are equal to one whole ($1 = 4/4$).

3.NF.3.d □ I can compare two fractions with the same numerator (top number) or the same denominator (bottom number) by reasoning about their size.

3.NF.3.d □ I can understand that comparing two fractions is only reasonable if they refer to the same whole.

3.NF.3.d □ I can compare fractions with the symbols $>$, $=$, $<$ and prove my comparison by using models.

Measurement & Data



3rd Grade—"I Can Do Math"

I can solve problems that involve measurement and estimation.

3.MD.1 □ I can tell and write time to the nearest minute.

3.MD.1 □ I can measure time in minutes.

3.MD.1 □ I can solve telling time word problems by adding and subtracting minutes.

3.MD.2 □ I can measure liquids and solids with grams (g), kilograms (kg) and liters (l).

3.MD.2 □ I can use addition, subtraction, multiplication, and division to solve word problems.

I can understand how information is shared using numbers.

3.MD.3 □ I can make a picture or bar graph to show data and solve problems using the information from the graphs.

3.MD.4 □ I can create a line plot from measurement data, where the measured objects have been measured to the nearest whole number, half, or quarter.

Measurement & Data (cont.)

3rd Grade—"I Can Do Math"

I can understand area.

3.MD.5 □ I can understand that one way to measure plane shapes is by the area they have.

3.MD. 5. a □ I can understand that a "unit square" is a square with side lengths of 1 unit and it is used to measure the area of plane shapes.

3.MD. 5. b □ I can cover a plane shape with square units to measure it's area.

3.MD. 6 □ I can measure areas by counting unit squares (square cm, square m, square in, square ft).

3.MD. 7 □ I can understand area by thinking about multiplication and addition.

3.MD. 7. a □ I can find the area of a rectangle using square tiles and also by multiplying the two side lengths.

3.MD. 7. b □ I can solve real-world problems about area using multiplication.

3.MD. 7. c □ I can use models to show that the area of a rectangle can be found by using the distributive property (e.g. side lengths and $b + c$ is the sum of $a \times b$ and $a \times c$).

3.MD. 7. d □ I can find the area of a shape by breaking it down into smaller shapes and then adding those areas to find the total area.

I can understand perimeter.

3.MD.8 □ I can solve real-world math problems using what I know about how to find the perimeter of shapes.

Geometry

3rd Grade—"I Can Do Math"

I can understand shapes better by using what I notice about them.

3.G.1 □ I can place shapes into categories depending upon their attributes (parts).

3.G.1 □ I can name a category of many shapes by looking at their attributes (parts).

3.G.1 □ I can recognize and draw quadrilaterals (shapes with four sides) including rhombuses, rectangles, and squares.

3.G.2 □ I can divide shapes into parts with equal areas and show those areas as fractions.

