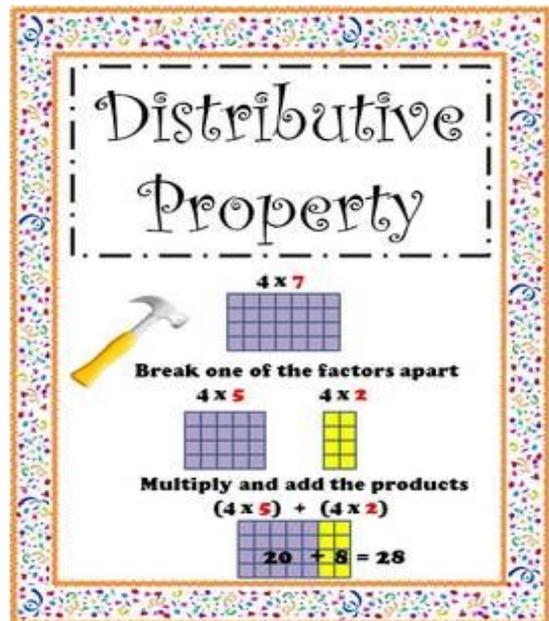




“I Can” Mascoma Standards 3rd Grade Math

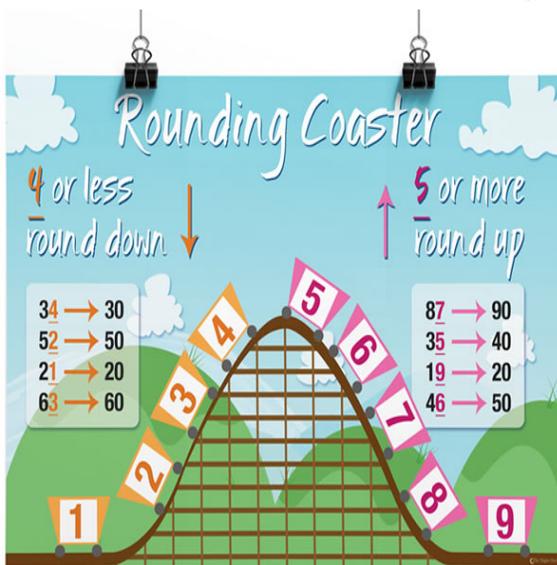
I Can Use Multiplication and Division to Help Me Understand Math

- ✓ I can understand multiplication by thinking about groups of objects. (3.OA.1)
- ✓ I can understand division by thinking about how one group can be divided into smaller groups. (3.OA.2)
- ✓ I can use what I know about multiplication and division to solve word problems. (3.OA.3)
- ✓ I can find the missing number in a multiplication or division equation. (3.OA.4)
- ✓ I can use the Commutative Property of multiplication. (I know that if $6 \times 4 = 24$, then $4 \times 6 = 24$.) (3.OA.5)
- ✓ I can use the Associative property of multiplication. (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. (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.5)
- ✓ I can find the answer to a division problem by thinking of the missing factor in a multiplication problem. (I can figure out $32 \div 8$ because I know that $8 \times 4 = 32$.) (3.OA.6)



- ✓ I can multiply and divide within 100 easily and quickly because I know how multiplication and division are related. (3.OA.7)
- ✓ I can use addition, subtraction, multiplication and division to solve all kinds of word problems and then use mental math to decide if my answers are reasonable. (3.OA.8)
- ✓ I can find patterns in addition and multiplication tables and explain them using what I know about how numbers work. (3.OA.9)

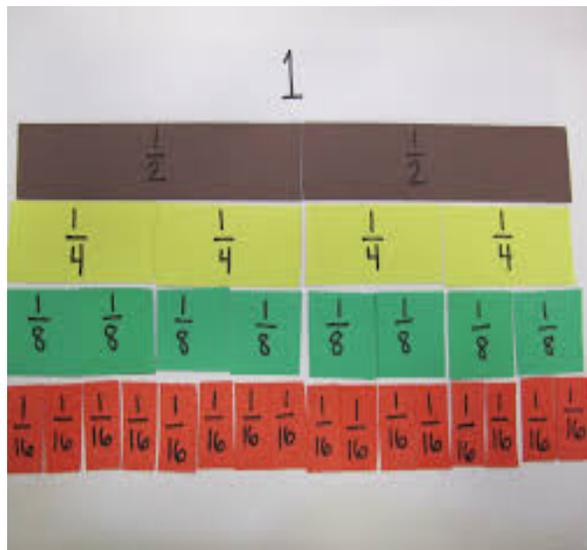
I Can Use Number Sense and Place Value to Help Me Understand Math



- ✓ I can round numbers to the nearest ten or 100. (3.NBT.1)
- ✓ I can add and subtract numbers within 1000. (3.NBT.2)
- ✓ I can quickly and easily multiply any one digit whole number by 10. (3.NBT.3)

I Can Use Fractions to Help Me Understand Math

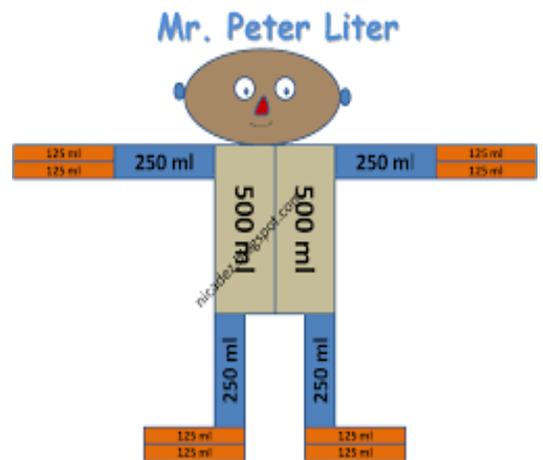
- ✓ I can show and understand that fractions are equal parts of a whole. (3.NF.1)
- ✓ I can label fractions on a number line because I know the space between any two numbers can be thought of as a whole. (3.NF.2)



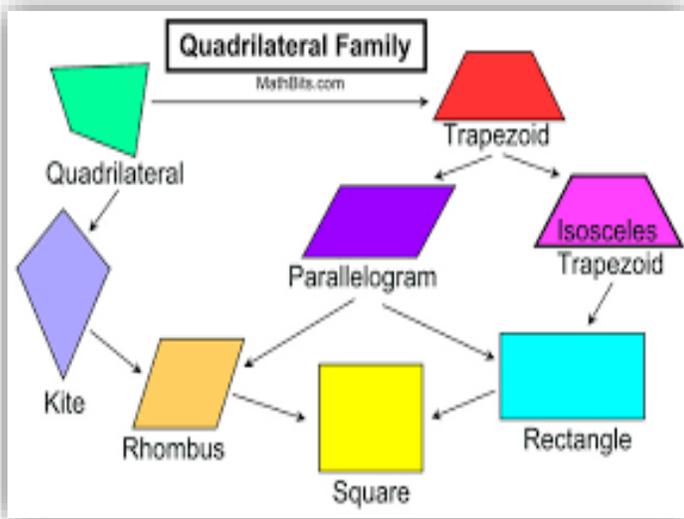
- ✓ I can explain in words or pictures how two fractions can sometimes be equal. (3.NF.3)
- ✓ I can compare fractions by reasoning about their size. (3.NF.3)
- ✓ I can show whole numbers as fractions. ($3 = 3/1$). (3.NF.3)
- ✓ I can recognize fractions that are equal to one whole. ($1 = 4/4$) (3.NF.3)

I Can Use Measurement and Data to Help Me Understand Math

- ✓ 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.1)
- ✓ I can measure liquids and solids with liters, grams and kilograms. (3.MD.2)
- ✓ I can use addition, subtraction, multiplication and division to solve word problems involving mass and volume. (3.MD.2)
- ✓ I can create a picture or bar graph to show data and solve problems using the information from the graphs. (3.MD.3)
- ✓ I can create a line plot from measurement data, where the measured objects have been measured to the nearest whole number, half or quarter. (3.MD.4)
- ✓ I can understand that the area of plane shapes can be measured in square units. (3.MD.5)



- ✓ I can measure areas by counting unit squares. (3.MD.6)
- ✓ I can measure area by using what I know about multiplication and addition. (3.MD.7)
- ✓ I can solve real world math problems using what I know about the perimeter of shapes. (3.MD.8)



I Can Use Geometry to Help Me Understand Math

- ✓ I can place shapes into categories depending upon their attributes. (3.G.1)
- ✓ I can recognize and draw quadrilaterals such as rhombuses, rectangles and squares, as well as other examples of quadrilaterals. (3.G.1)

✓ I can divide shapes into

parts with equal areas and show those areas as fractions. (3.G.2)