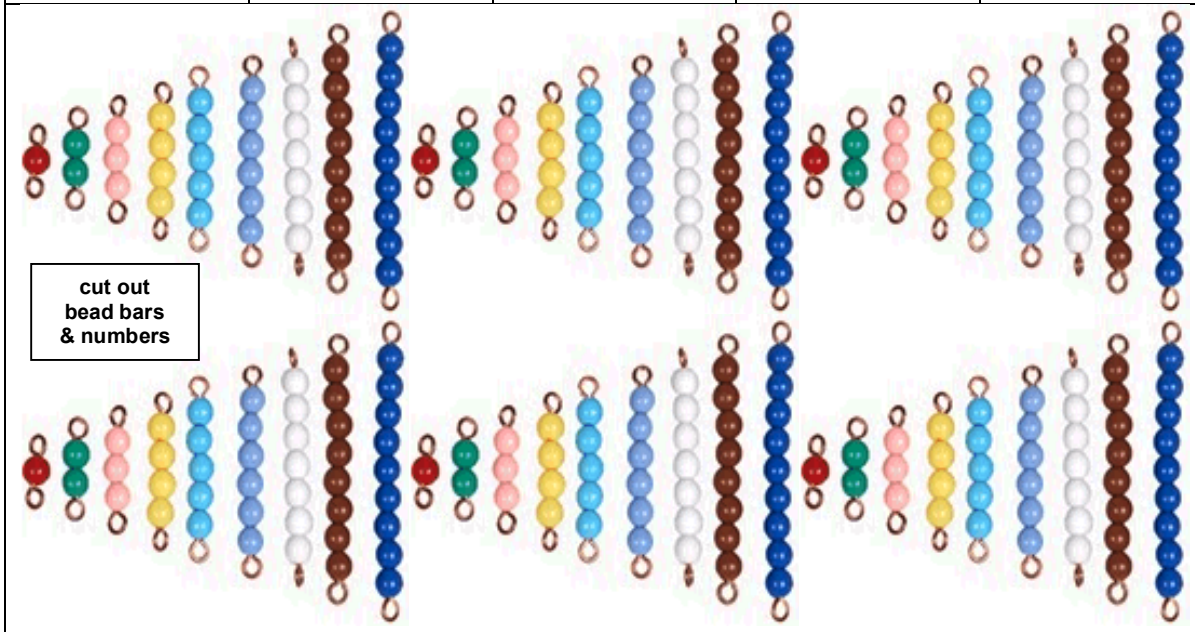
Montessori Stamp Game Material

1	1	1	10	10	10	100	100	1,000	
1	1	1	10	10	10	100	100	1,000	
1	1	1	10	10	10	100	100	1,000	
1	1	1	10	10	10	100	100	1,000	
1	1	1	10	10	10	100	100	1,000	
1	1	1	10	10	10	100	100	1,000	
1	1	1	10	10	10	100	100	1,000	
1	1	1	10	10	10	100	100	1,000	
1	1	1	10	10	10	100	100	1,000	

Montessori Checkerboard Material

million(s)	hundred thousand(s)	ten thousand(s)	thousand(s)	hundred(s)	ten(s)	unit(s)	x



cut out
bead bars
& numbers

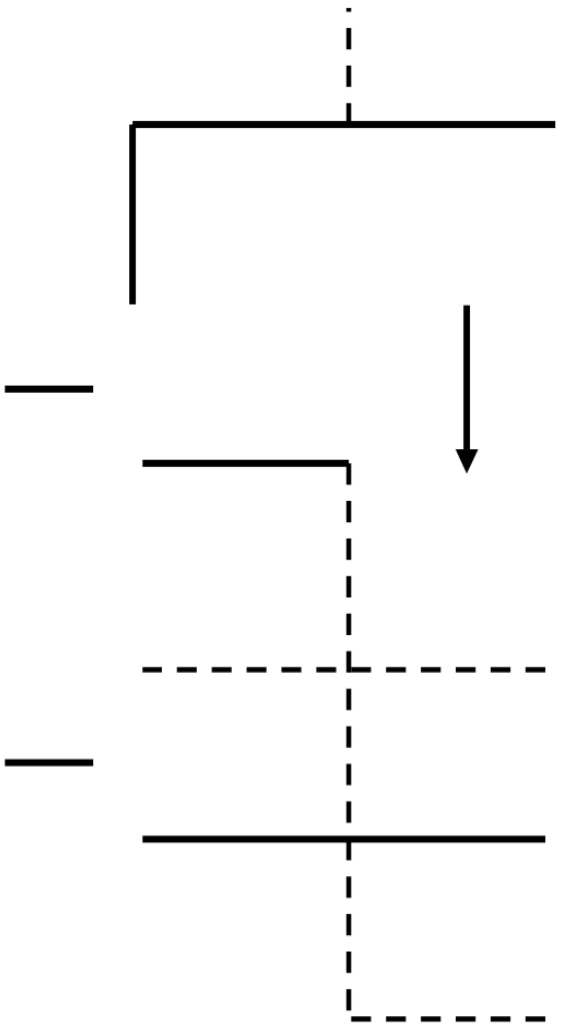
0	1	2	3	4
5	6	7	8	9
0	1	2	3	4
5	6	7	8	9
0	1	2	3	4
5	6	7	8	9

Lattice

Hundred Million(s)	Ten Million(s)	Million(s)	Hundred Thousand(s)	Ten Thousand(s)	Thousand(s)	Hundred(s)	Ten(s)	Unit(s)	X

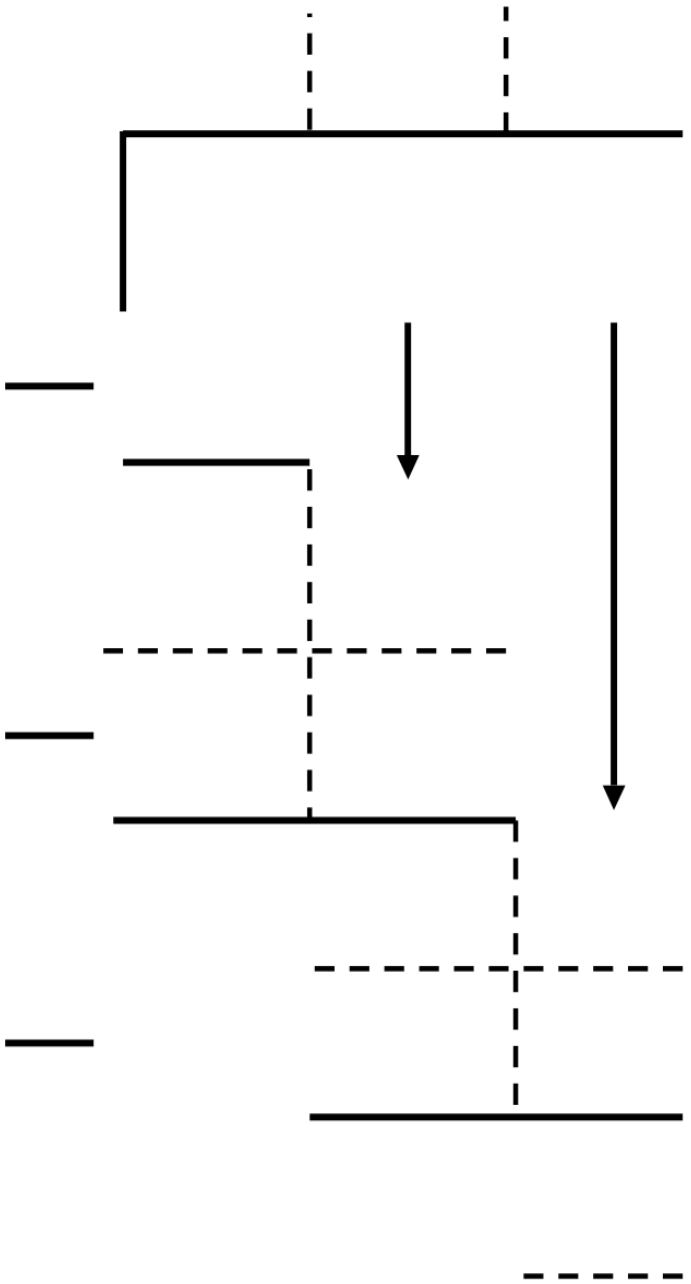
Long Division Chart

Double-digit dividend: Fit it in, Multiply, then Subtract



Long Division Chart

Triple-digit dividend: Fit it in, Multiply, then Subtract



FRACTION/PERCENTAGE CHART

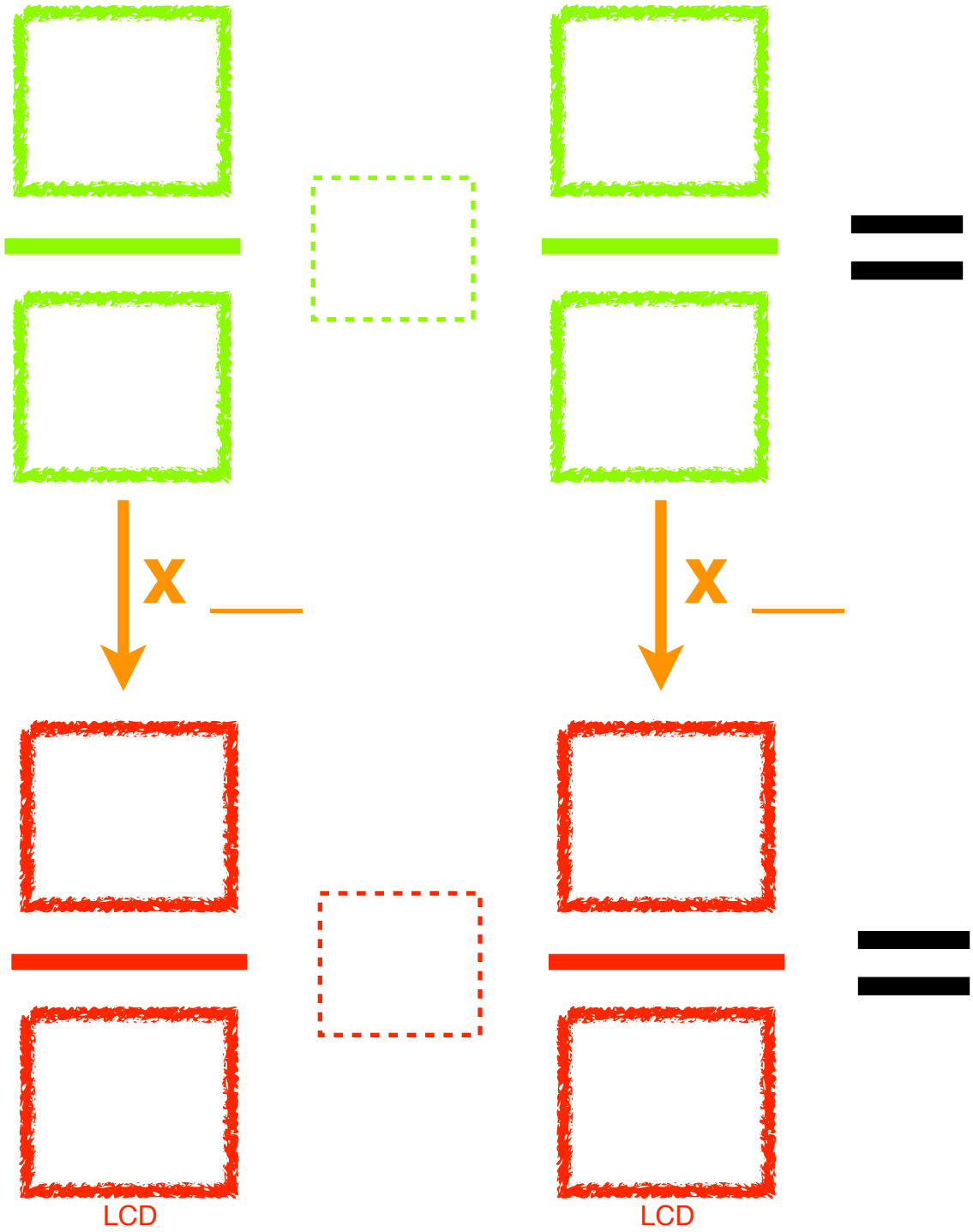
1 WHOLE

1/2	2/2
1/3	2/3 · 3/3
1/4	2/4 · 3/4 · 4/4
1/5	2/5 · 3/5 · 4/5 · 5/5
1/6	2/6 · 3/6 · 4/6 · 5/6 · 6/6
1/7	2/7 · 3/7 · 4/7 · 5/7 · 6/7 · 7/7
1/8	2/8 · 3/8 · 4/8 · 5/8 · 6/8 · 7/8 · 8/8
1/9	2/9 · 3/9 · 4/9 · 5/9 · 6/9 · 7/9 · 8/9 · 9/9
1/10	2/10 · 3/10 · 4/10 · 5/10 · 6/10 · 7/10 · 8/10 · 9/10 · 10/10
1/12	2/12 · 3/12 · 4/12 · 5/12 · 6/12 · 7/12 · 8/12 · 9/12 · 10/12 · 11/12 · 12/12
1/15	2/15 · 3/15 · 4/15 · 5/15 · 6/15 · 7/15 · 8/15 · 9/15 · 10/15 · 11/15 · 12/15 · 13/15 · 14/15 · 15/15
1/20	2/20 · 3/20 · 4/20 · 5/20 · 6/20 · 7/20 · 8/20 · 9/20 · 10/20 · 11/20 · 12/20 · 13/20 · 14/20 · 15/20 · 16/20 · 17/20 · 18/20 · 19/20 · 20/20
1/25	2/25 · 3/25 · 4/25 · 5/25 · 6/25 · 7/25 · 8/25 · 9/25 · 10/25 · 11/25 · 12/25 · 13/25 · 14/25 · 15/25 · 16/25 · 17/25 · 18/25 · 19/25 · 20/25 · 21/25 · 22/25 · 23/25 · 24/25 · 25/25
1/30	2/30 · 3/30 · 4/30 · 5/30 · 6/30 · 7/30 · 8/30 · 9/30 · 10/30 · 11/30 · 12/30 · 13/30 · 14/30 · 15/30 · 16/30 · 17/30 · 18/30 · 19/30 · 20/30 · 21/30 · 22/30 · 23/30 · 24/30 · 25/30 · 26/30 · 27/30 · 28/30 · 29/30 · 30/30
1/40	2/40 · 3/40 · 4/40 · 5/40 · 6/40 · 7/40 · 8/40 · 9/40 · 10/40 · 11/40 · 12/40 · 13/40 · 14/40 · 15/40 · 16/40 · 17/40 · 18/40 · 19/40 · 20/40 · 21/40 · 22/40 · 23/40 · 24/40 · 25/40 · 26/40 · 27/40 · 28/40 · 29/40 · 30/40 · 31/40 · 32/40 · 33/40 · 34/40 · 35/40 · 36/40 · 37/40 · 38/40 · 39/40 · 40/40
1/50	2/50 · 3/50 · 4/50 · 5/50 · 6/50 · 7/50 · 8/50 · 9/50 · 10/50 · 11/50 · 12/50 · 13/50 · 14/50 · 15/50 · 16/50 · 17/50 · 18/50 · 19/50 · 20/50 · 21/50 · 22/50 · 23/50 · 24/50 · 25/50 · 26/50 · 27/50 · 28/50 · 29/50 · 30/50 · 31/50 · 32/50 · 33/50 · 34/50 · 35/50 · 36/50 · 37/50 · 38/50 · 39/50 · 40/50 · 41/50 · 42/50 · 43/50 · 44/50 · 45/50 · 46/50 · 47/50 · 48/50 · 49/50 · 50/50

100%

50%	100%
33%	66% · 100%
25%	50% · 75% · 100%
20%	40% · 60% · 80% · 100%
16.6%	33% · 50% · 66% · 83% · 100%
14.2%	28.5% · 42.8% · 57.1% · 71.4% · 85.7% · 100%
12.5%	25% · 37.5% · 50% · 62.5% · 75% · 87.5% · 100%
11.1%	22.2% · 33% · 44.4% · 55.5% · 66% · 77.7% · 88.8% · 100%
10%	20% · 30% · 40% · 50% · 60% · 70% · 80% · 90% · 100%

ADDING & SUBTRACTING FRACTIONS



DIRECTIONS:

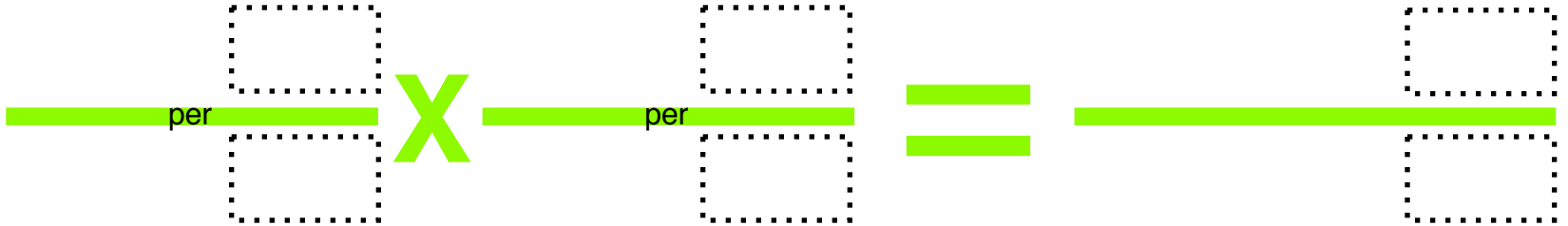
Before you can add or subtract fractions with different denominators, you must first find equivalent fractions with the same denominator.

1. Write the original equation in the green area.
2. Find the smallest multiple (Lowest Common Multiple - LCM) of both numbers in the green denominator.
3. Write this number in both of the red denominators*.
4. Multiply each green numerator by the same number that was needed to get the red denominator. Write these numbers next to the orange multiplication signs.
5. Solve the red equation with the common denominators. Reduce if necessary.

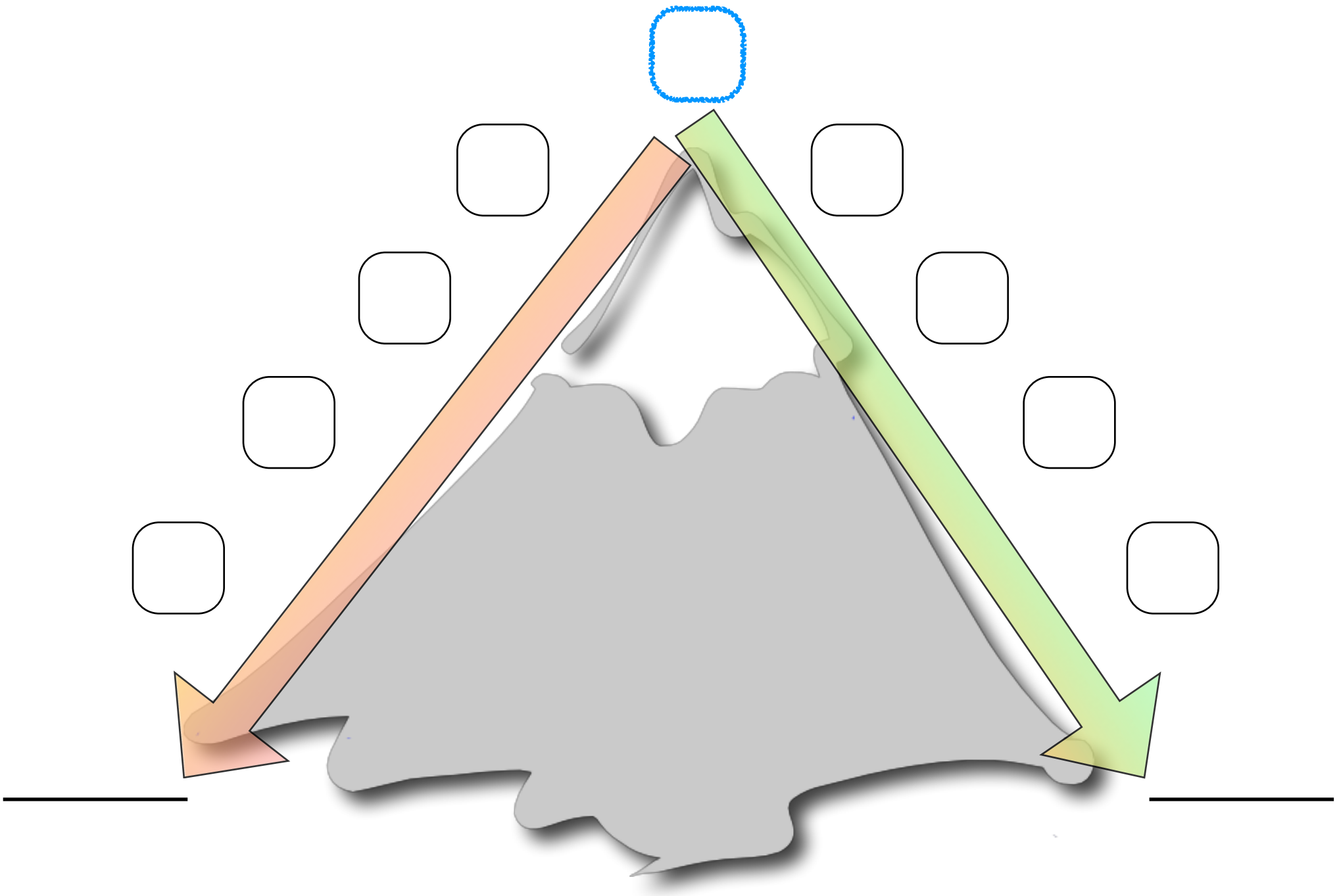
*When working with fractions, the LCM is called the least common denominator (LCD).

MEASUREMENT CONVERSIONS

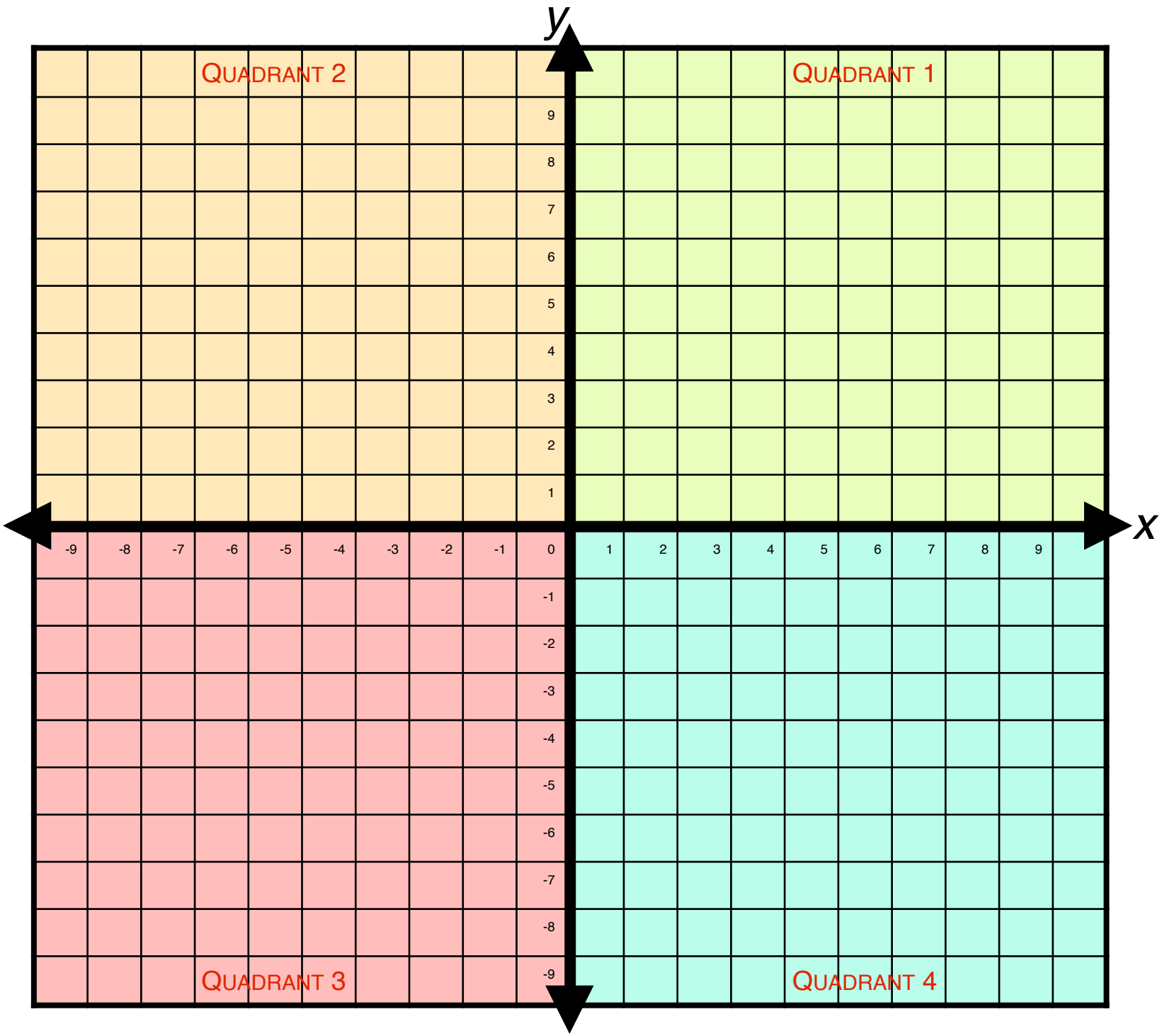
CONVERSIONS	
1 ft	12 in
1 yd	3 ft
1 mi	5,280 ft
1 mi	1,760 yd
1 m	100 cm
1 km	1,000 m
1 c	8 oz
1 pt	2 c
1 qt	2 pt
1 gal	4 qt
1 kg	1,000 g
1 g	1,000 mg
1 hr	60 min.
1 day	24 hr
1 yr	52 weeks
1 week	7 days
1 l	1,000 ml
1 kl	1,000 l
1 lb	16 oz
1 ton	2,000 lbs



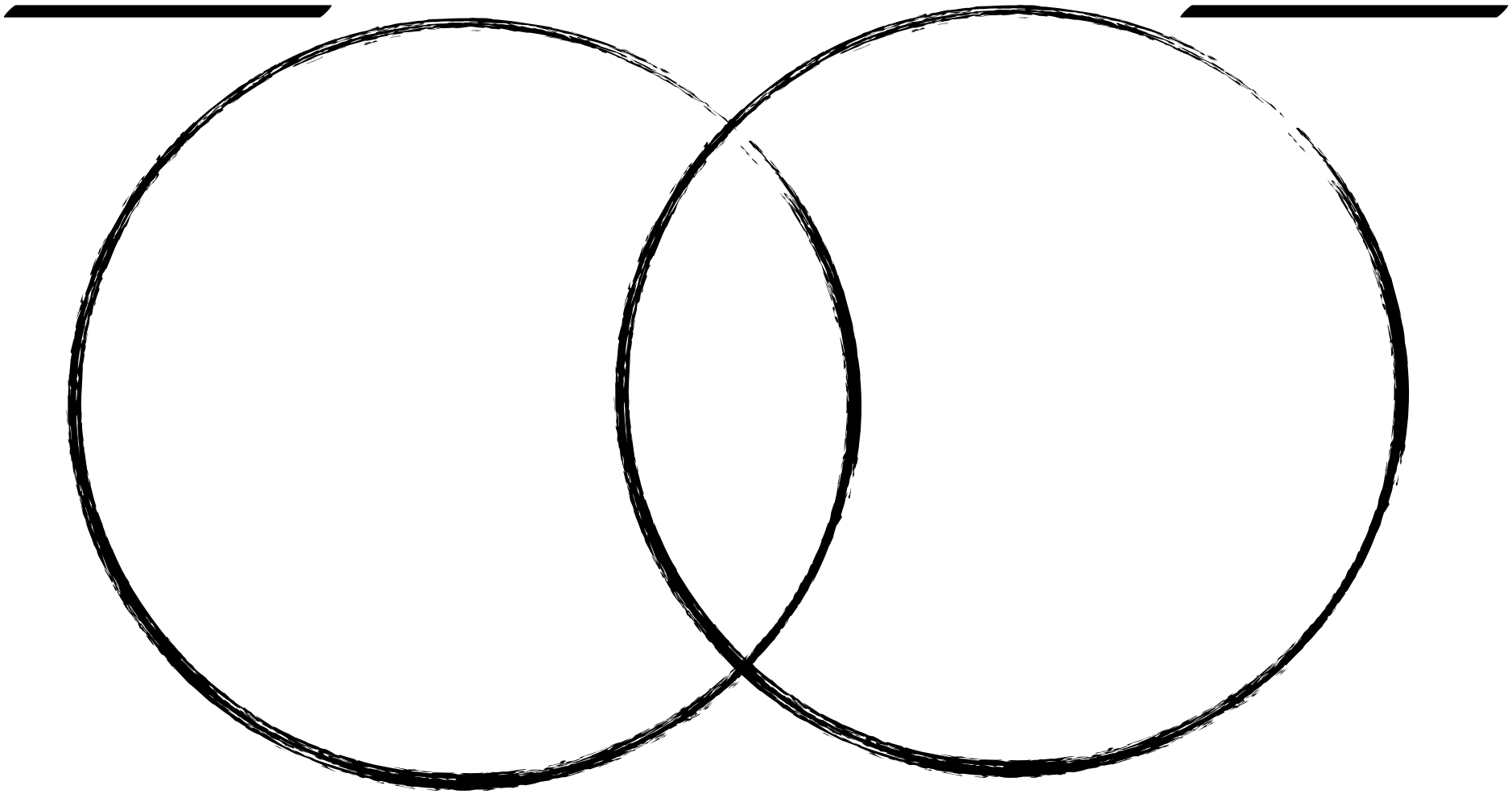
Rounding Mountain



COORDINATE GRAPHING/PLANE



G.C.F. & L.C.M.



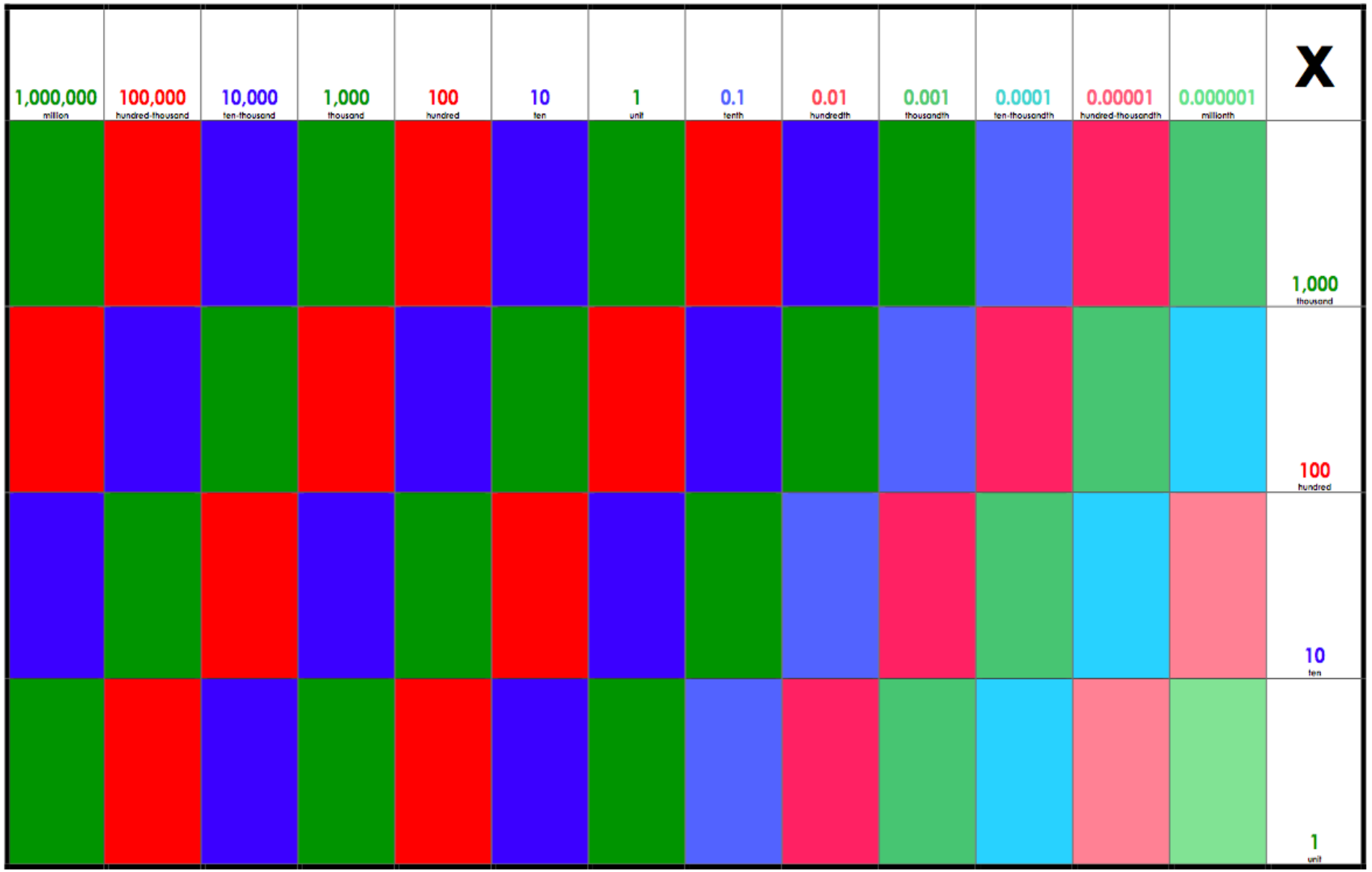
DECIMAL BOARD

1,000,000 million	100,000 hundred-thousand	10,000 ten-thousand	1,000 thousand	100 hundred	10 ten	1 unit	0.1 tenth	0.01 hundredth	0.001 thousandth	0.0001 ten-thousandth	0.00001 hundred-thousandth	0.000001 millionth

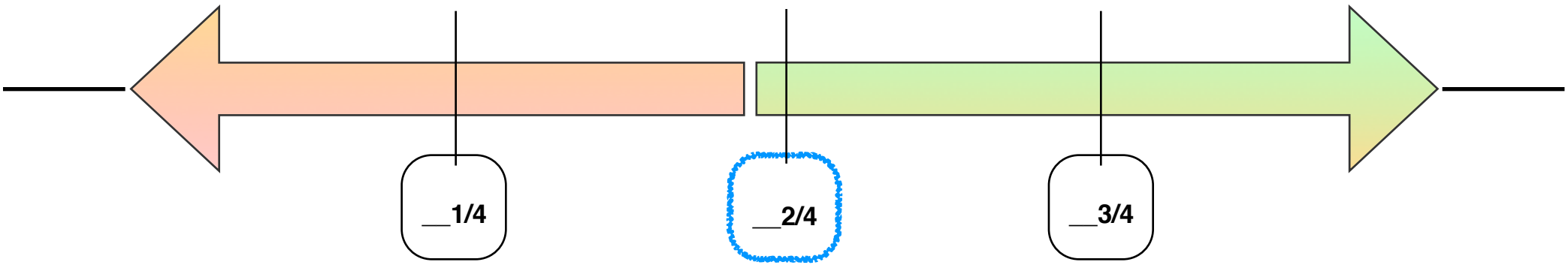
"and"

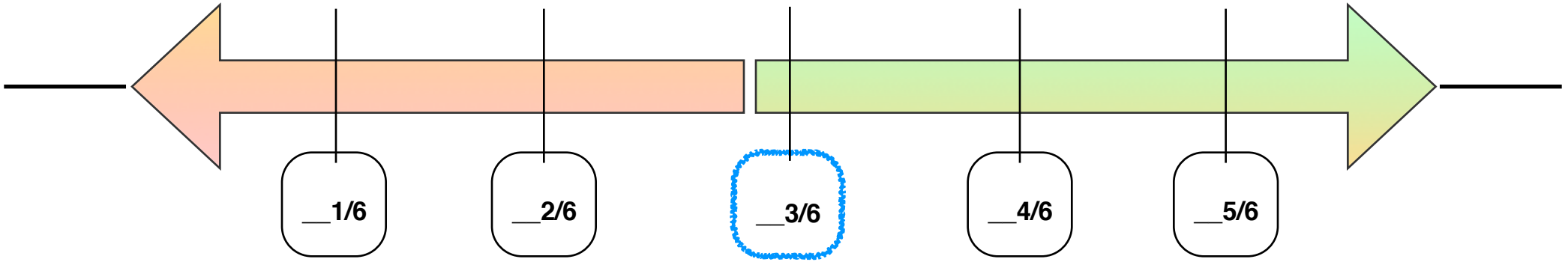
by Mark

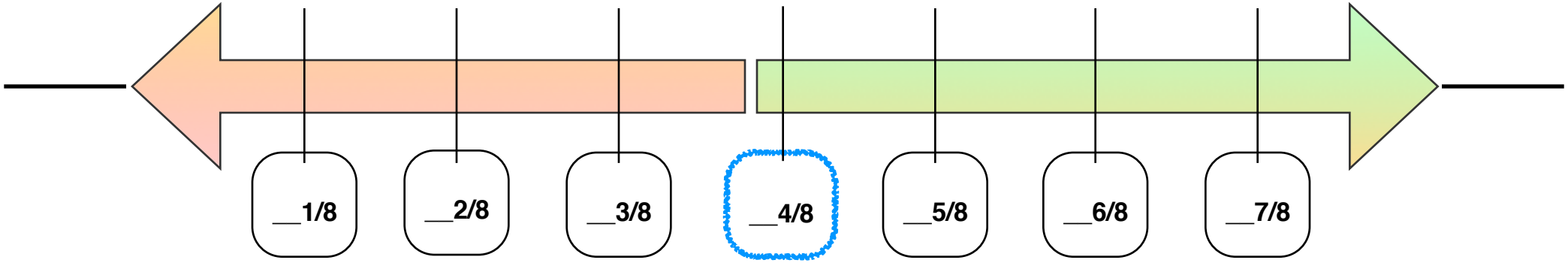
MONTESSORI CHECKERBOARD



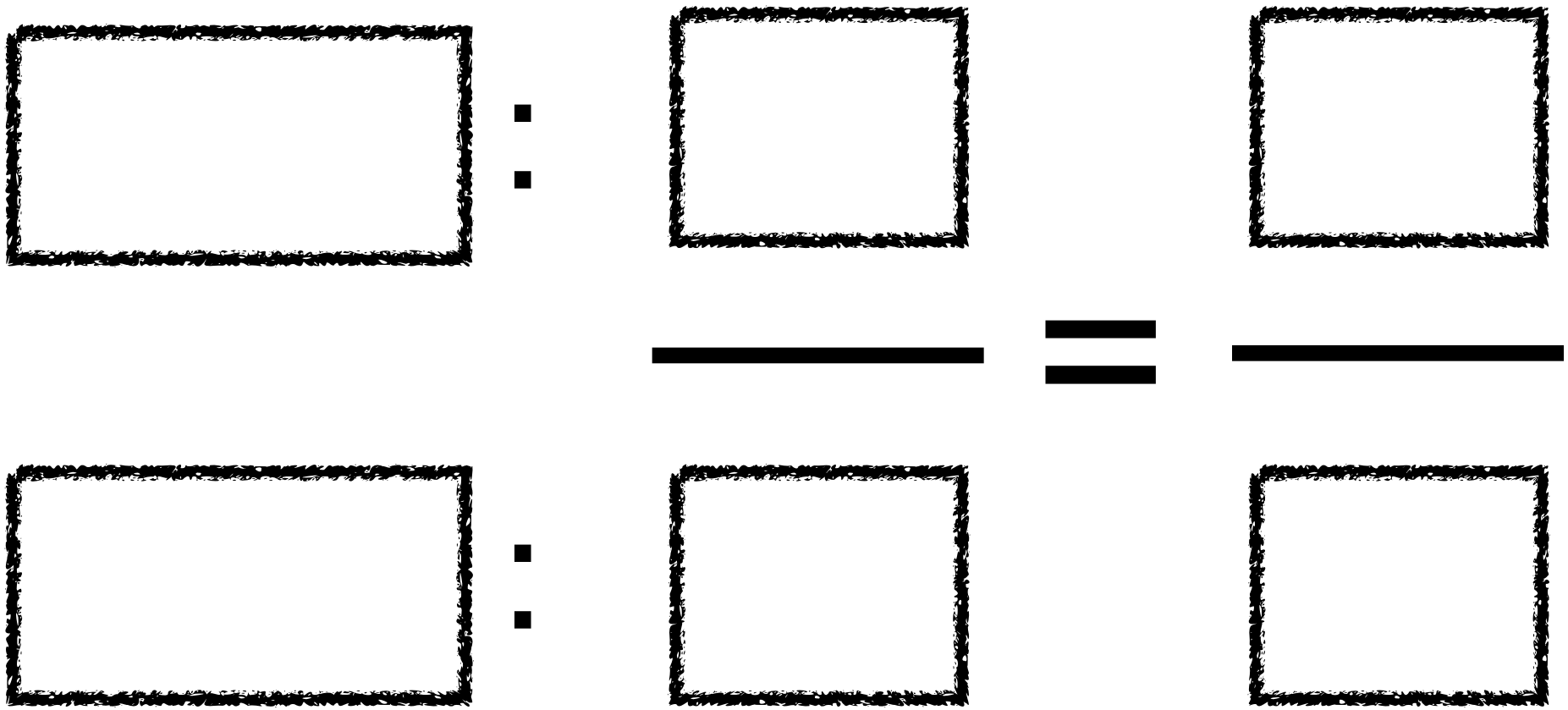
Rounding Fraction Number Lines







PROPORTION/RATIO CHART



KEY MATH PHRASES

ADD	SUBTRACT	MULTIPLY	DIVIDE
more than	less than	times	share
altogether	take away	product	split equally
sum	fewer	groups of	quotient
total	difference	of	equal groups
in all	“how many more”	each	goes into
combined	minus	twice, triple	(a fraction) of