Latcice

## MONTESSORI CHECKERBOARD



## Long Division Chart <br> Double-digit dividend: Fit it in, Multiply, then Subtract




## FRACTION/PERCENTAGE CHART




## 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).

| Cowesesoss | MEASUREMENT CONVERSIONS |
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| 边 |  |
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| \% |  |

ROUNDIng MOUNTAIN


## COORDINATE GRAPHING/PLANE

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ROUNDING FRACTION NUMBER Lines


## G.C.F. \& L.C.M.




## Angles




obtuse angle

alternate angles (also $\mathbf{Z}$ angles)

corresponding angles (also F angles)

pentagen
trapezold

chevron
paralltlogram

equilateral
triangle

triangle

acute angled right angled
isosceles triangle
 obtuse angled
isoscoles triangle obtuse angled
isosceles triangle
acute angled
scalene triangle
right angled
scalence triangle $\begin{gathered}\text { obtuse angled } \\ \text { scalone triangle }\end{gathered}$

GEOMETRY SHAPES AND SOLIDS


| Math Reference ${ }_{\text {b } \text { Mark }}$ |  |  |  |  |  |  |  |  |  |  |  |  |
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| = equal to |  |  |  |  |  |  |  | $1=1.0=100 \%$ |  |  |  |  |
| \# not equal to |  |  |  |  |  |  |  | $1 / 2=0.5=50 \%$ |  |  |  |  |
| > greater than |  |  |  |  |  |  |  | $1 / 3=.333=33.3 \%$ |  |  |  |  |
| < less than |  |  |  |  |  |  |  | $1 / 4=0.25=25 \%$ |  |  |  |  |
| $\geq$ greater than or equal to |  |  |  |  |  |  |  | $1 / 5=0.20=20 \%$ |  |  |  |  |
| $\leq$ less than or equal to |  |  |  |  |  |  |  | $1 / 6=0.166=16.6 \%$ |  |  |  |  |
| perimeter $=$ total distance around |  |  |  |  |  |  |  | $1 / 8=0.125=12.5 \%$ |  |  |  |  |
| area $=$ length $\times$ width $=L \times W$ |  |  |  |  |  |  |  | $1 / 9=.111=11.1 \%$ |  |  |  |  |
| 1 mile $=5,280$ feet |  |  |  |  |  |  |  | $1 / 10=0.1=10 \%$ |  |  |  |  |
| 1 yard = 3 feet |  |  |  |  |  |  |  | $1 / 12=0.083=8.3 \%$ |  |  |  |  |
| 1 foot = 12 inches |  |  |  |  |  |  |  | $2 / 3=.666=66.6 \%$ |  |  |  |  |
| 1 kilometer $=1,000$ meters |  |  |  |  |  |  |  | $3 / 4=0.75=75 \%$ |  |  |  |  |
| 1 meter = 100 centimeters |  |  |  |  |  |  |  | $4 / 5=0.80=80 \%$ |  |  |  |  |
| thousand |  | hundred |  | ten |  | unt |  | tenth | $\begin{gathered} \text { hundredth } \\ .01 \end{gathered}$ |  | $\begin{aligned} & \text { thousandith } \\ & .001 \end{aligned}$ |  |
|  |  | 100 |  |  |  | I |  |  |  |  |  |  |
| Multiplication/Division Table |  |  |  |  |  |  |  |  |  |  |  |  |
| $\stackrel{\mathrm{x}}{+}$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 44 | 48 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 | 77 | 84 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 | 99 | 108 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| 11 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 110 | 121 | 132 |
| 12 | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |

## QUADRILATERAL FAMILY TREE



