Math Superstars
Hopefully Helpful Hints
Week 10

Welcome to the exciting world of mathematics

1st Grade

#1 Remember to count Jill- this makes 6 people. Draw the 6 with 2 cupcakes each, then count!

#2 Start with a quarter (25 cents) and work from there.

#5 Notice that each window is 1 large square broken into 4 smaller squares to make a total of 5 squares for each window

#6 A nickel is about the same size as the plate- count how many nickels will cover the table

2nd Grade

#4 Make a list of numbers whose sum is 21: 1+20, 2+19, 3+18, 4+17, until you find the two numbers whose difference is 3

#5 Start with 6 in one of the "corners" and then fill in from there

#7 One stapler weighs 12 g; this means 2 staplers weigh 24 g. Subtract this from 30g to get weight of the ball

#8 Try writing each number and symbol on a card or scrap of paper; then arrange them until you get 23; 2 of the numbers will be combined to make a 2 digit number (15 or 18)

3rd Grade

#1 Use the sum of all blocks (2+5+2+4) as the denominator (bottom number of the fraction)

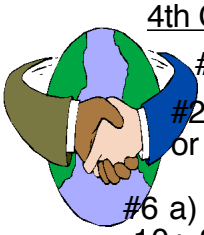
#2 Try tracing each figure, cutting it out, and then folding it to see which one makes a box

#3 Use: a line segment is a *straight* portion of a line; it has no curve!

#4 No information is missing!! Just pick the most reasonable answer!!

#7 This problem asks you to find the mean, or average, of the number of cans. Add all the cans collected, then divide by the number of classes (which is 5)

#9 If there are 24 total markers and 6 markers per table, then there are 4 tables. Use this to finish the problem!



4th Grade

#1 Note that each figure is a square with sides equal to the figure # plus one dot on top

#2 c) Let *n* be the figure number; then the number of dots in any figure is *n* multiplied by *n,* then +1, or (nxn)+1; use this to solve parts a and b of this problem

#6 a) add 10+9+8+7+6+5+4+3+2+1 to get the total; b) add .10+.20+.40+.80+1.60+3.20+6.40+12.80+ 25.60+51.20 c) add 6 ten times (6x10); then compare the 3 amounts of money

#8 There are 3 face cards in each of 4 suits (12 total); there are 4 aces; and 9 hearts left (do not count the face cards or ace again!) This gives you 12+4+9 = 25; so you have 25 cards to choose from out of 52 total

5th Grade

#1 Average= sum of distances(120+585+340+852) divided by the number of flights (4); then use: 5280 feet = 1 mile

#4 Perimeter is the length around the yard; add the 4 sides of the yard (96+96+120+120)

#5 You can pull out one marble of each color in the first 3 pulls; the next one will have to match one of the previous pulls

#8 Use: snacks is 20%, entertainment is 30%, savings is 50% (or half)

#9 3 boys for every 4 girls makes a set of 7 children; there are 20 sets of 7 children to make the total of 140 students; use the 20 sets to figure out how many boys and girls there are