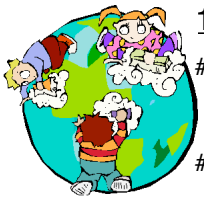
Math Superstars
Hopefully Helpful Hints
Week 12

Welcome to the exciting world of mathematics



1st Grade

#1 Continue drawing the pattern out to the 14th figure or count the repeating pattern of three until you reach 14

#2 There are 4 parts- 1 is shaded out of the 4

#4 Some triangles overlap. Try organizing them by small, medium, and large

#5 Use 5, 3, and 1 for the corner numbers

2nd Grade

#2 Start with the answer (83) and work backwards using the opposite operations: 83+7=90; 90-6=????

#3 Keep a list of all the 2 digit numbers that can be made and then count them: 26, 27, 28, 62, 67, 68.....

#4 The total # of parts is the denominator (bottom) of the fraction; the # of shaded parts is the numerator (top) of the fraction

#6 Use: *odd* if number cannot be evenly divided by 2; *even* if number can be divided evenly by 2

#8 The coin shown is a dime

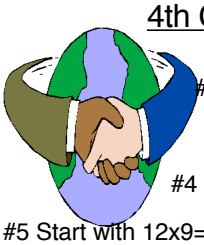
3rd Grade

#2 There are 5 birds in each tree; it takes 7 of this set of 5 birds to make 35 total birds; mockingbirds=7x3; cardinals=7x2

#5 # of dimes (>10) in groups of 4 with 2 left over: 14, 18, 22, 26, 30, 34...
# of dimes (>10) in groups of 5 with 1 left over: 11, 16, 21, 26, 31, 36... Now look for the least common multiple

#7 The hundreds digit has to be a 1 or a 2; since the ones digit is less then the hundreds, and the tens is less than the ones, the hundreds has to be 2; the ones has to be 1; and the tens has to be 0

#9 Use: 1 donkey = 3 dogs; 3 dogs = 4 cats; so 1 donkey = 4 cats



4th Grade

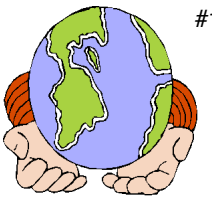
#1 Remember that when the snail goes up 5 feet to that 20 foot mark, it is out and does not slide back down! Draw a picture!

#2 Use: 1/4 = 25%

#4 Look at a calendar and count the remaining days or use: Oct has 31 days, Nov has 30 days, Dec has 31 days

#5 Start with 12x9=108: this doesn't work because 8>0. The next multiple of 12 and 9 is 36, so add 36 to 108=144: no because 4=4. The next multiple of 12 and 9 is 72, so add 72 to 108=180; yes because 0<8

#6 Use 12 inches = 1 foot; 5280 feet = 1 mile



5th Grade

#1 Draw a picture and divide it into sixteenths (or 16 equal pieces)

#3 Label the shorts R, B, T; Label the tops w and r; now make a chart or list of all possible outfits

#4 Start with 36 and work backwards using the opposite operations!

#7 There are no checkpoints at the start or finish lines. Draw a picture to show that 9 checkpoints divide the race into 10 equal parts