

Math Superstars

Hopefully Helpful Hints

Week 5

Welcome to the exciting world of mathematics

1st Grade



#1 Look for a pattern: the number of dots is going **down** by 2 each time.

#2 Use counting by 10's to show that each mark on the thermometer is worth 10 degrees.

#5 Draw the 7 crayons and cut each one in half, or into 2 pieces. This is the same as 7×2 !

#6 Draw the 12 buttons and group them into sets of 3. There should be 4 of these sets, each costing 10 cents.

#7 The number of gray squares is increasing by 2 each time.

2nd Grade



#2 Use the fact that 3 staplers weigh the same as only 2 tape dispensers.

#3 Try writing each vehicle on its own index card- then move the cards around until you get the order that works for all the clues.

#6 a. The #s not in the rectangle are 8, 9, and 1; b. The #s in both the rectangle & circle are 2 and 6

#8 Use the fact that 95 cents is about \$1 and there are 5 days in the school week

3rd Grade



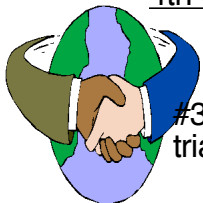
#1 It helps if you put the place values in order before writing the standard form of the number

#2 The chance of pulling a red from the bag is: #of red marbles/total # of marbles, written as a fraction

#4 Count the small rectangles, the medium (across) rectangles, the medium (down) rectangles, & the large rectangle

#6 2 marbles balance 1 tape (left scale), so 2 marbles balance 4 pencils (right scale); this means 1 marble balances 2 pencils. From there you can get your answer.

4th Grade



#1 Multiply, using a calculator, $(\text{age}) \times (25 \text{ blinks}) \times (60 \text{ min}) \times (16 \text{ hours}) \times (365 \text{ days})$

#3 The perimeter is the length around the shape, or the sum of the sides. You can make 2 different triangles with the pieces and 2 different parallelograms with the pieces.

#5 It takes 10 decades to make a century.

#7 The computer has 3 total spaces to choose from; only 2 of those will give it a win. Chance is written as part to total, or part/total (fraction), or as a percent.

#8 Total # of students is the same as the total # of Xs in the diagram. Rock and Country is the overlap between the two, without the rap. Rap or country is the total in the 2 entire circles, without the rock overlap.

5th Grade



#1 Use the common denominator of 16 to order the wrench sizes from smallest to largest

#2 Find $\frac{1}{3}$ of \$18, then subtract that amount from \$18 to get the sale price. Tax is 6%, or .06 multiplied by the sale price. Add the tax to the sale price to get the total.

#5 Remember that 9.6 is the same as 9.60

#7 The ratio of 3 to 5 means that every 3 candles represents 5 years.

#8 Make a chart with names across the top and colors down the side. Make an x in each box of the chart that can be eliminated with the clues given; you will end up with 1 person who can live in the white house

#9 Notice that the pattern repeats every 4 figures