

Math Superstars

Hopefully Helpful Hints

Week 4

Welcome to the exciting world of mathematics

1st Grade



#2 The number of tails is the same as the number of cats. Each cat has 2 ears, and each cat has 4 legs.

#4 Draw each bug split in half. This is the same as multiplying 5 by 2!

#5 Start with Alice pulling- she can pull Sam and then Kevin. Then Sam can pull Alice and then Kevin. Then Kevin pulls Sam and then Alice.

#6 The jersey number is extra information- do not use it!!

2nd Grade



#2 Notice that the key shows each person is equal to 2

#3 C is odd and greater than 1, so it has to be 3, 5, 7, 9; $C+C$ is a one digit number, so C can only be equal to 3

#5 Try drawing each path in a different color or on separate grids!

#6 You can immediately cross out the owl (more than 25 cents) and the mouse. Now guess and check!

3rd Grade



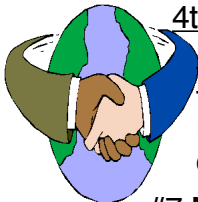
#1 Make sure to count the blocks you cannot “see”. If you have blocks, build it!

#3 Notice the numbers are increasing by 5 each time.

#5 To find the perimeter of a triangle, add the lengths of the three sides.

#7a “At least 20 books” includes the student who read exactly 20 books and those who read more.

4th Grade



#3 Label the pots A, B, C, D then list all possible arrangements. Start with A on the left: ABCD, ABDC, ACBD, ACDB, ADBC, ADCB. Now do the same with B, C, D on the left.

#7 Make sure to count the blocks you cannot “see”. If you have blocks, build them!

#8 The car is equal to 3 elephants, so you can remove the car and 3 elephants from the last tug of war. You are now left with 3 donkeys versus 1 elephant. Which side will win?

5th Grade



#3 Vertices are the corners of the polygon. Diagonals connect 2 non-consecutive vertices.

#5 Perimeter is the length around the yard ($l+l+w+w$); area is the length of the yard multiplied by the width of the yard ($l \times w$)

#6 The total weight is 181; the boxes marked are $25+5+1$

#8 The number of squares is increasing by 4 each time. Algebraically, if n is the n th shape, $4n-3$ gives you the number of squares in the n th shape (1st has 1; 2nd has 5; 3rd has 9...)