



MathFLIX CHALLENGE

September 20, 2007
Things in Groups Puzzles



Read the clues below to solve each puzzle. After you've solved all our puzzles, see if you can create your own!

<i>Easy Puzzles</i>	<i>Challenging Puzzles</i>
Markers Puzzle I have between 1 and 20 markers. I can make 3 equal groups with none left over. I can make 4 equal groups with none left over. How many markers do I have? _____	Baseball Puzzle I have between 1 and 20 baseballs. I can make 3 equal groups with one left over. I can make 4 equal groups with one left over. How many baseballs do I have? _____
Book Puzzle I have between 13 and 23 books. I can make 2 equal groups with none left over. I can make 3 equal groups with none left over. I can make 6 equal groups with none left over. How many books do I have? _____	CD Puzzle I have between 13 and 23 CDs. I can make 3 equal groups with none left over. I can make 4 equal groups with two left over. I can make 5 equal groups with three left over. How many CDs do I have? _____
Marble Puzzle I have between 50 and 100 marbles. I can make 2 equal groups with none left over. I can make 3 equal groups with none left over. I can make 7 equal groups with none left over. How many marbles do I have? _____	Penny Puzzle I have between 50 and 100 pennies. I can make 3 equal groups with one left over. I can make 5 equal groups with one left over. I can make 7 equal groups with none left over. How many pennies do I have? _____
Insurance Puzzle: Under 500 CDs A distributor reports to his insurance agent that all of his CDs were broken in an accident en route to his duplicating factory. He doesn't know exactly how many he had but it was fewer than 500. Also, he remembers that when he put them in groups of two there were none left over; when he put them in groups of three there were none left over; when he put them in groups of four there were none left over; when he put them in groups of six there were none left over and when he put them in groups of seven, there were none left over. How many CDs did he have? _____	Insurance Puzzle: Under 500 CDs A distributor reports to his insurance agent that all of his CDs were broken in an accident en route to his duplicating factory. He doesn't know exactly how many he had but it was fewer than 500. Also, he remembers that when he put them in groups of two there was one left over; when he put them in groups of three there was one left over; when he put them in groups of four there was one left over; when he put them in groups of six there was one left over and when he put them in groups of seven, there were none left over. How many CDs did he have? _____