

Methodically solving Gabriel's Problems

24
40
378

60 21 288

Step 1: acknowledge the problem - know what the problem requires you to do.

I know that the solution to this problem is the numbers 1-9 rearranged to make the outputs when multiplied together. So my multiplication skills will be put to use.

Step 2: put your 5 in first. See where the multiples of 5 meet.

5		

24
40
378

60 21 288

Step 3: see what other numbers are needed to make that number - list all the possibilities using 3 numbers and including the number 5.

40 = 5x8x1 or 5x4x2 the 2 maybe better used on top of the 5 so we have to use the 40=5x1x8 now you have to be careful of what box you place the 8 and the 1 in- if you place 1 in the centre box you can put 3 above and 7 below to make 21.

The numbers are slowly slotting into place.

2	3	
5	1	8
	7	

24
40
378

60 21 288

You are nearly there. You can do it. Don't give up now.

THE FINISHED PRODUCT

2	3	4
5	1	8
6	7	9

60 21 288

24 Step 5: double check very thing is right and compare with the person sitting next to you. Raise your hand and

40 complete the next problem given to you following the steps above.

378 complete the next problem given to you following the steps above.

2	3	4
5	1	8
6	7	9

24
40
378

60 21 288

Step 4: you have to carefully place the remaining numbers remembering to keep making numerical sense

The numbers you have left are... 4,6 and 9

This makes sense as 7 and 8 can be used in making the bigger numbers as they are some of the bigger numbers in the allowe few.