

I decided to post a solution for a problem involving bases. I thought I knew how to do them according to the book and when I took the quiz and the test I got them wrong. So I called Mr. Mack and he told me how to find the solution to these problems and get them right.

The solution I will be posting is for question 9 on the quiz.
Convert the base-ten number to a number in the indicated base.
2874 to base eight.

2874 Divided by 8=359 R 2
359 Divided by 8=44 R 7
44 Divided by 8=5 R 4
5 Divided by 8=0 $8 \times 0 + 5 = 5$

Now read your remainders from the bottom up your answer will be:
5472 (base eight)