



# Neurological Nasties XXXII

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1. I went to Sydney; I stopped there, and I never went there, and I came back again.  
What am I ?



2. There is an old Chinese algorithm from the sixteenth century which will enable you to guess a persons age. Just follow these steps:
- I. Ask them to divide their age by 3 and tell you the remainder. Then multiply this remainder by 70. **Answer A**
  - II. Ask them to divide their age by 5 and tell you the remainder. Then multiply this remainder by 21. **Answer B**
  - III. Ask them to divide their age by 7 and tell you the remainder. Then multiply this remainder by 15. **Answer C**
  - IV. Sum the total of your final answers from steps I - III.  
**Answer D = Answer A + Answer B + Answer C**
  - V. Subtract 105 or its multiple from your answer to step IV.  
**Persons Age = Answer D - (105 × n)** Where n is a whole number.  
Common sense determines what value “n” should take.

Try these steps on people you know and see if it works.

3. The Western Warriors Junior Cricket Team used 16 players during the season. The total score for *each* of the 16 players for the season was a *different* palindromic prime. A palindromic number is one that reads the same backwards or forwards. A prime number is one which is greater than 1, and has no factors other than 1 and itself.
- None of the players scored a total that had four or more digits.
  - All of the players scored at least three “fours” except one who scored two “fours” and his total consisted of only two digits.
  - When the 16 players totals are added and divided by 16, the resulting average is a three figure number with all digits exactly the same.
- What was the average ?