

Logic Exercises

1. Cats are mammals.
2. Jane is a tall surveyor.
3. You can fool some of the people all of the time.
4. You can fool all of the people some of the time.
5. The only good alien is a dead alien.
6. The barber of Seville shaves all men who do not shave themselves.
7. For every mountain in England, there is a higher mountain in Scotland.
8. There is one coin in the box.
9. There are two coins in the box.

10. The biggest coin in the box is a quarter.

11. The box contains brass screws (at least one screw and no non-screws).

12. The box contains screws, the largest of which has a left-handed thread.

13. A person born in the UK, both of whose parents are UK citizens or UK residents, is a UK citizen by birth.

14. A person born outside the UK, one of whose parents is a UK citizen by birth, is a UK citizen by descent.

15. Write a set of facts and axioms to represent the assertion "Wellington heard about Napoleon's death" and to answer the question "Did Napoleon hear about Wellington's death?"