

Valid, Believable	Invalid, Believable
No video recorders are metal things Some electric appliances are metal things Therefore, some electric appliances are not video recorders	No electric appliances are metal things Some video recorders are metal things Therefore, some electric appliances are not video recorders
No astronauts are athletic Some healthy people are athletic Therefore, some healthy people are not astronauts	No healthy people are athletic Some astronauts are athletic Therefore, some healthy people are not astronauts
No skyscrapers are wooden things Some buildings are wooden things Therefore, some buildings are not skyscrapers	No buildings are wooden things Some skyscrapers are wooden things Therefore, some buildings are not skyscrapers
No cigarettes are inexpensive Some addictive things are inexpensive Therefore, some addictive things are not cigarettes	No addictive things are inexpensive Some cigarettes are inexpensive Therefore, some addictive things are not cigarettes
No police dogs are vicious Some highly trained dogs are vicious Therefore, some highly trained dogs are not police dogs	No highly trained dogs are vicious Some police dogs are vicious Therefore, some highly trained dogs are not police dogs
No liquors are sweet things Some drinks are sweet things Therefore, some drinks are not liquors	No drinks are sweet things Some liquors are sweet things Therefore, some drinks are not liquors
No trout are colourful things Some fish are colourful things Therefore, some fish are not trout	No fish are colourful things Some trout are colourful things Therefore, some fish are not trout
No millionaires are scientists Some rich people are scientists Therefore, some rich people are not millionaires	No rich people are scientists Some millionaires are scientists Therefore, some rich people are not millionaires

Valid, Unbelievable	Invalid, Unbelievable
No pieces of furniture are attractive things Some tables are attractive things Therefore, some tables are not pieces of furniture	No tables are attractive things Some pieces of furniture are attractive things Therefore, some tables are not pieces of furniture
No musical instruments are shiny	No violins are shiny

Some violins are shiny Therefore, some violins are not musical instruments	Some musical instruments are shiny Therefore, some violins are not musical instruments
No well-educated people are impartial Some judges are impartial Therefore, some judges are not well educated people	Some judges are impartial Some well-educated people are impartial Therefore, some judges are not well educated people
No plants are living things Some grasses are living things Therefore, some grasses are not plants	No grasses are living things Some plants are living things Therefore, some grasses are not plants
No religious people are married Some priests are married Therefore, some priests are not religious people	No priests are married Some religious people are married Therefore, some priests are not religious people
No good swimmers are vegetarians Some deep sea divers are vegetarians Therefore, some deep sea divers are not good swimmers	No deep sea divers are vegetarians Some good swimmers are vegetarians Therefore, some deep sea divers are not good swimmers
No tools are heavy Some screwdrivers are heavy Therefore, some screwdrivers are not tools	No screwdrivers are heavy Some tools are heavy Therefore, some screwdrivers are not tools
No nutritional things are expensive Some vitamin tablets are expensive Therefore, some vitamin tablets are not nutritional things	No vitamin tablets are expensive Some nutritional things are expensive Therefore, some vitamin tablets are not nutritional things

### Appendices J – Debriefing Sheet

Thank you very much for taking the time to complete this study, it is much appreciated.

As previously mentioned, this piece of research has set out to investigate whether a relationship exists between people experiencing specific personality traits, and displaying explicit reasoning abilities and information processing styles. The authors of the study infer that those who report specific personality traits will display a particular style of reasoning, in comparison to those who report alternative personality traits. The aim of the study was