

Worksheet solutions (Disclaimer: not double-checked)

1. Puzzling barbers

- I **Arturo:** Yes
- II **Roberto:** Yes
- III **Reunion:** No
- IV **The Barber's Club:** Yes
- V **The Exclusive Barber's club:** No

2. The lady or the tiger:

- I **Trial 1:** Door 2
- II **Trial 2:** Door 2
- III **Trial 3:** Doesn't matter (both ladies)
- IV **Trial 4:** Door 2
- V **Trial 5:** Door 1
- VI **Trial 6:** Door 2
- VII **Trial 7:** Door 1
- VIII **Trial 8:** Door 2

3. The Island of knights and knaves

- I **Cary and Grant:** Cary is knight. Grant is knave.
- II **Margaret and Thatcher:** Margaret is knight. Thatcher is knave.
- III **Alonzo and Church:** Both knaves. The rascals!
- IV **Muggsy and Bogues:** Both knaves again.

4. The search for Arthur York

I **First trial:** Not York.

II **Second trial:** Not York.

III **Third trial:** He's York.

5. Some facts about knights and knaves

I **Fact one:** No

II **Fact two:** Yes

III **Fact three:** A is a knight. B is a knave.

IV **Fact four:** B is a knave. A could be either.

V **Fact five:** B is a knight. A could be either.

VI **Fact six:** B is a knave. A could be either.