

Champion of the Thames Pub Quiz – Ron and Amy

Round 1: Which happened first?

1. Death of Cleopatra (31 BC) or Genghis Khan (25 August 1227)?
2. Collapse of the Aztec empire (1521) or founding of Cambridge Uni (1209)?
3. Construction of the pyramids of Giza (2630 BC), or extinction of saber tooth tigers (~8000 BC)?
4. Women legally obtaining the right to vote in all elections across Europe (1990), or the release of the first iPhone (2007)?
5. First human heart transplant (1967), or first supersonic flight (1947)?

Round 2: Which is more people?

1. Number of chickens (19 billion) or number of humans (8 billion) today?
2. More people globally with HIV (37.7 million) or diabetes (415 million)?
3. Number of people who run the London marathon (~40,000) or the total number of athletes competing in the 2020 Tokyo summer olympics (~11,000)?
4. Across all the games that the UK national lottery operate, the number of people each year becoming millionaires (312), or the number of people struck by lightning in the UK in a typical year (30-60)?
5. In the UK, the number of people who watched the 2012 London Olympics closing ceremony (24 mil), or 2020 UEFA Final Italy vs England (30 mil)?

Round 3: Which costs more?

1. Approximate retail price of a litre of home printer ink (~£2000) or the price of a litre of human blood (£150-350) paid for by hospitals?
2. Winnings for the Nobel prize in physics (£750k) or Love Island (£50k)?
3. Arsenal football club (\$2.8 billion) or The New York Yankees (\$5 billion)?
4. GDP of Russia (\$1.48 trillion) or net annual revenue of Amazon (\$469 billion)?
5. Median house price in Cambridge, UK (£470k) or Miami, Florida (£350k)?

Round 4: Which was more successful?

1. Won more grand slam titles in their tennis career, Novak Djokovic (20) or Serena Williams (23)?
2. Which of these films sold more tickets at the box office: Avatar (97 mill tickets) or Star Wars: A New Hope (178mill tickets)?
3. More confirmed record sales: Rihanna (~325 mil) or Madonna (~181 mil)?
4. More annual visitors (using the 2019 stats) to the Louvre (9.2mill) or the British Museum (6 mill)?
5. Highest viewership for the finale, recorded in the USA, Game of Thrones (19.3 mil) vs Friends (55 mil)?

Round 5: Which is longer?

1. Eiffel Tower in Paris (324m) vs Statue of Liberty in New York (93m)?
2. Great Wall of China (21,200 km) or Sahara desert at widest point (4800 km)?
3. Life expectancy of a person born in Great Britain in 1922 (48.9 years) or a person born in India in 2022 (69.7 years)?
4. Time for a direct flight from London to New York (~8 hrs 10 mins), or from London to Cape Town (~11 hrs 45 mins)?
5. Current average height of a man in China (175.7cm) vs average height of a woman in the Netherlands (170.4 cm)?

Round 3: Which is greater?

1. The speed of Roger Federer's fastest tennis serve (~230 km/hr) or the peak running speed of an average cheetah (~130 km/hr)?
2. Annual volume of wine drunk across the world (23.4 bil L) or beer (100 bil L)?
3. Area of the great pacific garbage patch (1.6mil km²) or Ukraine (600k km²)?
4. The size of COVID-19 virus (0.0042 μm³) or a silicon transistor (i.e. electrical switches) inside a modern computer or phone processor (0.00001 μm³)?
5. The volume of water flowing through Niagara falls (2.8 mil L/s) or total UK use, home and industrial (~162,000 L/s)?

Picture answers:

1. Eye of Horus, wellbeing, healing, protection
2. Triskelion/triskele/triskel/Celtic knot - life, death, rebirth
3. Ukrainian Coat of Arms or Logo of the Ukrainian Army
4. USB, Universal Serial Bus
5. Hamsa, Hand of Fatima, protection against evil eye
6. Paralympics Committee or Paralympics
7. Om, accept Hinduism
8. Bass Clef
9. Conservative party, Tories
10. Contour integral, or integrate along a closed path, (half point for just "integral")
11. Meta Logo
12. Biohazard

Final round/money pot question:

If we compressed all of the humans in the world into a big sphere, what would be the approximate volume be?

- Average mass of a human is 62kg,
- approximately the density of water (985kg/m³),
- Volume is about 0.062 cubic meters,
- 7.88 billion people

→ Total volume ~496 million m³

Will accept +/- 2% of this = **486 to 506 million m³**