

Conundrum Coronation Quiz Questions

Welcome to Wycombe Abbey's Coronation Conundrum Quiz. To enter you should register and add your answers to the Conundrum Website: <https://conundrum.wycombeabbey.com/>

Good luck and happy puzzling!!

1. Assuming a maximum life-span of 100 years, what is the most number of coronations that a person could have lived through?

You will need to research this very carefully, as not all monarchs had a coronation.

2. Using the official list of monarchs since 1066 on this site: <https://www.royal.uk/kings-and-queens-1066> and researching their birth dates and death dates find out the greatest number of monarchs alive at one time.
3. Again using the list of monarchs on this site: <https://www.royal.uk/kings-and-queens-1066>, find out which first name has spent the longest on the throne. For example the three Richards spent a total of 34 years on the throne (Richard I ten years, Richard II 22 years and Richard III two years).
4. Apart from King Charles, who is the only monarch to succeed their mother as monarch?
5. The date of King Charles' Coronation is 6/5/23. This has the unusual property that the month is the sum of the digits in the year- i.e $5 = 2 + 3$ and the day is the product of the digits in the year $6 = 2 \times 3$.

How many other dates in the 21st Century have this property?

6. The largest diamond in the crown jewels is the Cullinan Diamond, which weighs 104.4g. Diamond size is usually measured in carats, where one carat is 0.2g. The average price of a one carat diamond is £5000. If the Cullinan diamond were smashed up into one carat diamonds, how many pounds would the pieces sell for?
7. In how many ways can four princesses and two princes sit in a row of Westminster Abbey in such a way that the princes are not together?
8. An solid gold orb with radius 9cm is melted down, and turned into a cylindrical sceptre of length 108cm. What is the radius of the sceptre?
9. If a church has three bells, which we label as A, B and C then there are six possible orders in which they can be rung:

ABC ACB BAC BCA CAB CBA

Westminster Abbey has seven bells, in how many different orders can these seven bells be rung? **N.B. This will happen after the Coronation- and will take roughly three hours!**

10. Queen Camilla decides to have a circular crown made with eight evenly spaced gems. How many different crowns can be made using four identical emeralds and four identical diamonds? **Note that the crown can be rotated but not flipped upside down.**