

## QUIZ5 (1/1 point)

Please calculate how many different songs are there which can be made from the change ringing in the Trinity Church? (12 bells, each ring once and in different orders)

Please calculate the exact number, you may use a calculator

**Answer:** 479001600

**EXPLANATION**

There is total of 12 chimes, which is known as "change ringing" whereby each chime has a different bells, therefore there is  $12!$  different types of songs, almost 4.8 hundred millions of different arrangement.

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