

Quiz 7

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11/10

1. Guido Grandi: imagined a father bequeathing a gem to two sons who could keep it in alternating years.

2. Mme. Du Châtelet, Voltaire

3. Joseph-Louis Lagrange

$$\begin{aligned} 4. & \begin{pmatrix} 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 \\ 9 & 8 & 7 & 6 & 5 & 4 & 3 & 2 & 1 \end{pmatrix} \\ & = \begin{pmatrix} 1 & 2 & 3 & 7 & 8 & 9 \\ 9 & 8 & 7 & 3 & 2 & 1 \end{pmatrix} \begin{pmatrix} 4 & 5 & 6 \\ 5 & 6 & 4 \end{pmatrix} \\ & \text{lcm}(6, 3) = 6 = i \end{aligned}$$

5. Out of time!