

Farey is HALF of rel. prime (approx)

$$\# F_n \approx \frac{3}{\pi^2} \cdot n^2 = 3 \left(\frac{n}{\pi}\right)^2$$

$$F_n \approx 0.3056n^2 + \text{junk} \cdot n \approx 12183 \text{ for } F_{200}$$

+ 1.6...

$$\approx 12273 \text{ for table}$$

$$= 12,233$$