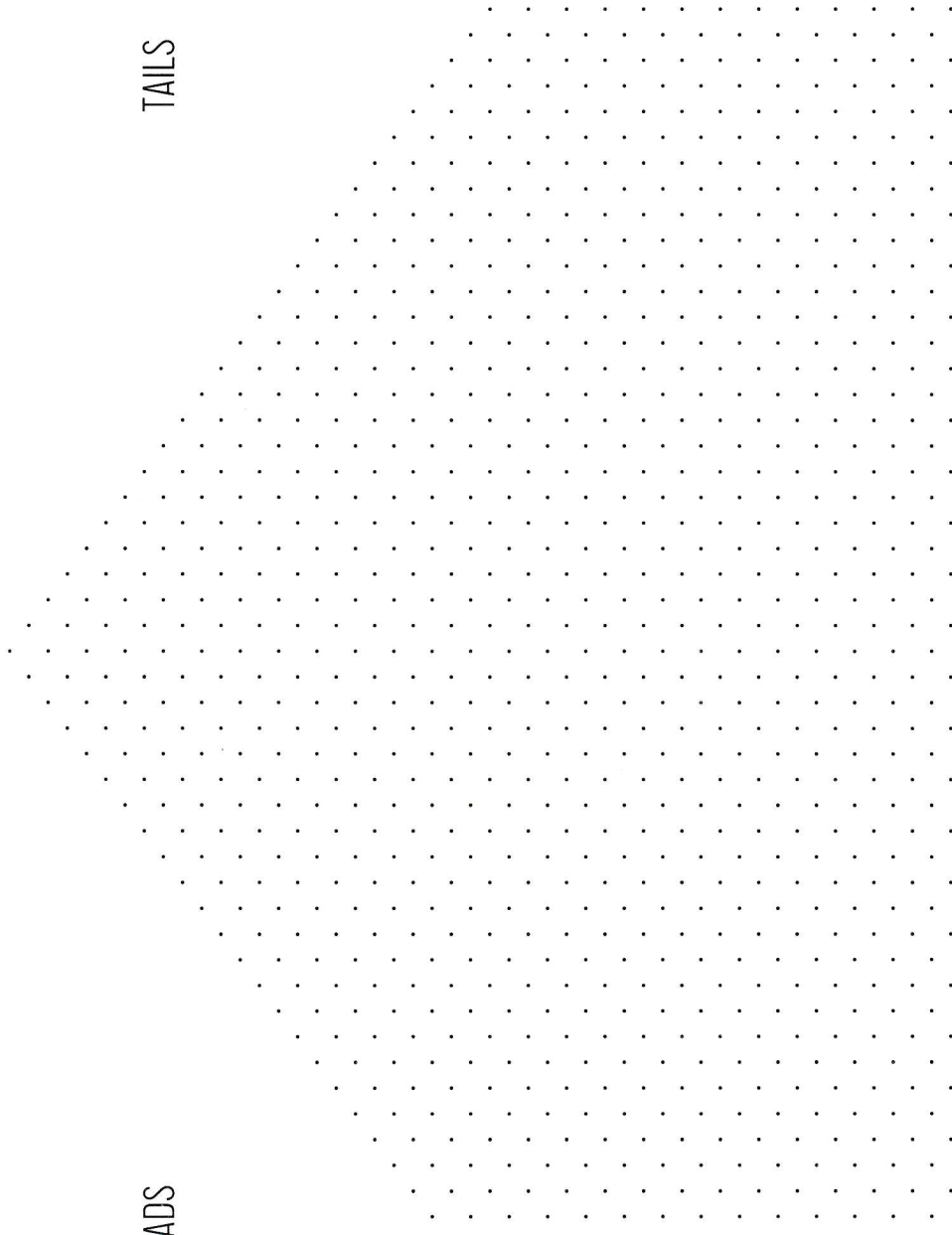


ADS

TAILS



GALTON'S QUINCUNX

Start at the topmost dot. Toss a coin. Heads you draw a line to the dot below left, tails you draw a line to the dot below right. Toss again. Repeat until you reach the bottom. Then start from the top with a different color—as many times as you like!

Sir Francis Galton, the eminent Victorian scientist, designed a bagatelle machine, the quincunx, which consisted of horizontal rows of pins. Each row was offset from the one above it by half the distance between pins. A ball was dropped from the top and would bounce down to the bottom, hitting a pin in each row and falling randomly either to its left or to its right. Galton's purpose was to show the relative likelihood of many random paths.

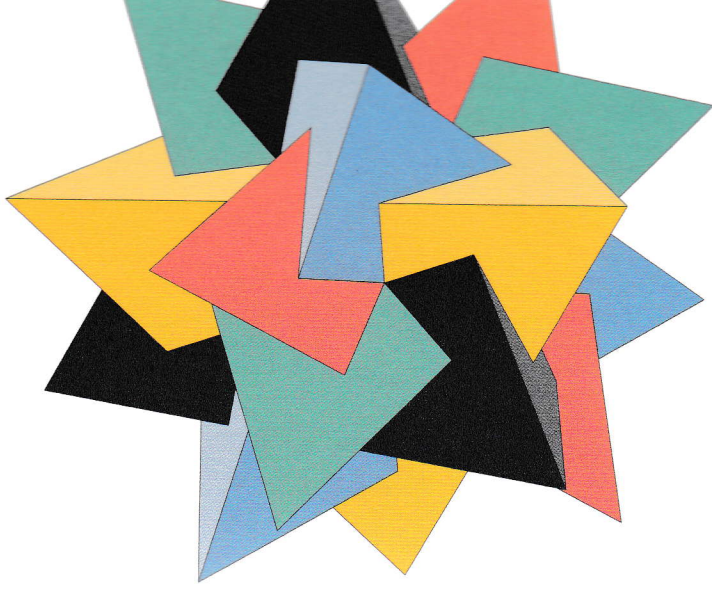
LATIN

Square grids where every object

The sudoku is the most famous type of with the digits from 1 to 9. Coming up a 15 x 15 grid, an

Latin squares are not symmetrical, but t The

156. 157. 158.
 155. 160. 159. 163. 164. 165.
 149. 150. 154. 161. 162. 167. 166.
 148. 151. 153. 182. 181. 180. 168. 169.
 145. 147. 152. 183. 178. 179. 175. 174. 170.
 146. 187. 186. 184. 177. 176. 173. 171. 317. 318. 319.
 141. 188. 185. 191. 192. 193. 172. 316. 321. 320. 340. 341. 343.
 135. 136. 140. 189. 190. 195. 194. 312. 313. 315. 322. 323. 339. 342.
 137. 139. 224. 223. 222. 196. 197. 311. 314. 327. 326. 324. 338. 337.
 138. 225. 220. 221. 201. 200. 198. 310. 309. 328. 325. 331. 332. 336.
 102. 229. 228. 226. 219. 218. 202. 199. 305. 306. 308. 329. 330. 333. 335.
 227. 214. 215. 217. 203. 204. 304. 307. 301. 300. 299. 334.
 233. 234. 240. 241. 242. 207. 253. 258. 257. 291. 292. 294.
 237. 234. 240. 241. 242. 207. 253. 258. 257. 291. 292. 294.
 239. 244. 243. 247. 248. 252. 259. 260. 290. 293.
 41. 40. 245. 246. 249. 251. 266. 265. 261. 289. 288.
 39. 35. 34. 33. 250. 267. 264. 262. 282. 283. 287.
 38. 39. 35. 34. 33. 250. 267. 264. 262. 282. 283. 287.
 37. 36. 31. 32. 271. 270. 268. 263. 281. 284. 286.
 17. 18. 30. 29. 272. 269. 275. 276. 280. 285.
 15. 20. 19. 23. 24. 28. 273. 274. 277. 279.
 12. 14. 21. 22. 25. 27.
 13. 7. 6. 5. 26.
 9. 8. 3. 4.
 2. 1.



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Flowsnake
 Join the dots. (See the Triple Flowsnake in the Coloring section for more about this curve.)