

PAGE

2. $\cdot\dot{6}086956521739130434782$,
 $\cdot4482758$, $\cdot20689655172413793103$, $\cdot967741935483870$,
 $\cdot972$, $\cdot02439$, $\cdot3584905660377$.
3. $\cdot879120$, $\cdot269841$, $\cdot987012$, $\cdot386100$, $\cdot518$, $\cdot000351$,
 $\cdot999000$.
54. 1. $\frac{2}{3}$, $\frac{1}{11}$, $\frac{1}{11}$, $\frac{1}{11}$, $\frac{1}{11}$, $\frac{1}{11}$, $\frac{1}{11}$. 2. $\frac{1}{11}$, $\frac{1}{11}$, $\frac{1}{11}$, $\frac{1}{11}$.
3. $2\frac{1}{3}$, $3\frac{1}{6}$, $14\frac{37}{100}$, $7\frac{51}{100}$.
- 55.—1. 3.9283. 2. 1.6854. 3. 40.90586. 4. 2621.108687.
- 57.—1. $\cdot6359723$, 2. $1\cdot715399467874$. 3. $1\cdot67660503$.
4. $\cdot402392970$.
- 60.—1. 148.862. 2. 1.338. 3. 1.1918. 4. $\cdot435$.
5. 70.5839.
- 63.—1. 29.995. 2. 856.967. 3. ~~1.413~~. 4. 29.956.
5. 13.593. 6. 1.407. 7. 262.856.
1. $\cdot0202$, $\cdot2025$, $202\cdot522$. 2. 138.280 or 138.281.
3. $1\frac{42929}{814791}$. 4. $\cdot0285714$, $\cdot047619$. 5. $\cdot8398$, $\cdot8397$.
6. $16\cdot8476190$. 7. $\cdot00015625$. 8. $\cdot4047$ or $\cdot4048$.
9. $\frac{1}{47}$. 10. $\frac{38}{50}$. 11. $\frac{479}{1170}$. 12. $\frac{2721}{1001}$. 13. $\cdot52$.
- 64.—14. $3\cdot141592$. 15. $10\frac{1}{7}$. 16. $\frac{17}{18\frac{15}{10}}$. 17. $\cdot3183$.
18. 409. 19. $\frac{28}{37}$, $\frac{155}{1147}$ and $\frac{47}{98}$ will circulate with
periods of not more than 36, 36, 97 digits respec-
tively. 20. $909\frac{1}{11}$ oz. 21. 6. 22. 100. 23. $\$2\cdot10$,
 $\$2\cdot73$, $\$63$, $\$7$. 24. $10\cdot1873$. 25. 14. 26. $\$1365$.
27. $83\frac{1}{2}$ c.
- 65.—28. $\$320$. 29. $19\frac{1}{2}$ yd. 30. 11c. 31. $\frac{1}{11}$. 32. $\$1200$,
 $\$900$. 33. 1c. 34. $\$612$, $\$720$, $\$864$, $\$1080$. 35. 3.
36. $\$1\cdot31$ nearly. 37. $\frac{1}{10}$, $\frac{1}{15}$, $\frac{1}{20}$; $4\frac{8}{15}$. 38. $\$22\cdot50$,
 $\$37\cdot50$. 39. 9 years.