

EXERCISE 89.

1. 2 : 3.
2. \$479.30 $\frac{1}{2}$.
3. —
4. Greatest 21 : 27; least 9 : 13.
5. 57.100555661872493.
6. 53 $\frac{7787}{1467}$ duodenary, 12014813 $\frac{410043}{1083440}$ quinary, and 760 $\frac{9973}{1257}$ undenary.
7. 5.57052 oz.
8. 3 yds. 3 qrs. 0 na. 0 $\frac{1}{4}$ in.
9. \$2962.70.
10. 1 bush. 2 pk. 0 gal. 1 qt.
11. 17 : 8; 88 : 176; 17 : 8 and 28 : 11; 6 : 7 and 88 : 176; 1178 : 616.
12. 39 per cent.
13. $\frac{153}{2435}$.
14. 10.1 $\frac{1}{100}$.
15. £2 1s. 2 $\frac{1}{2}$ d. nearly.
16. 3 $\frac{1}{2}$ days.
17. 3017 $\frac{1}{8}$.
18. 52.
19. 50 $\frac{1}{4}$.
20. .026856599989+.
21. .0778.
22. 4.32958 miles.
23. 764876887 nonary; 10011110101000011001111010000 binary; 11146453021 septenary.
24. 188100.
25. 801 $\frac{1}{2}$.
26. 48.
27. 415.471137804.
28. \$53.5966.
29. 1, 2, 3, 4, 5, 6, 7, 9, 10, 12, 14, 15, 18, 20, 21, 25, 28, 30, 35, 36, 42, 45, 50, 60, 63, 70, 75, 84, 90, 100, 105, 126, 140, 150, 175, 180, 210, 225, 252, 300, 315, 350, 420, 450, 525, 630, 700, 900, 1050, 1260, 1575, 2100, 3150, 6300.
30. \$5.04.
31. Each man's share, \$325.99 $\frac{1}{4}$; each woman's, \$88.90 $\frac{1}{4}$; each child's, \$25.40 $\frac{1}{4}$.
32. 12 $\frac{1}{2}$, 5 $\frac{1}{4}$, 2 $\frac{1}{5}$.
33. 3 yds. 2 ft. 8 $\frac{1}{2}$ in.
34. 104 : 5.
35. 71 miles 5 fur. 84 per. 3 yards.
36. $\frac{3}{8}$.
37. 2 $\frac{1}{2}$ $\frac{1}{2}$.
38. 70 goats.
39. 200.

EXERCISE 92.

1. 7020400000, 7.0204, 70.204, .0000070204, 7020.4, and .000000.70204.
2. 6704866.561.
3. £399 19s. 5 $\frac{1}{4}$ $\frac{1}{4}$ d.
4. 546.372095762.
5. 5 : 7; 9 : 13; 54 : 221.
6. \$2070.3593.
7. They have none.
8. \$27431.31 $\frac{1}{4}$.
9. $\frac{1}{11}$, $\frac{1}{11}$, $\frac{1}{11}$, $\frac{1}{11}$, $\frac{1}{11}$, and $\frac{1}{11}$.
10. 2 $\frac{1}{4}$.
11. 12 $\frac{1}{2}$ days.