Perform the following by the shortest method you can :

1. 87×50.
2. 306×25.
3. $450 \times 12\frac{1}{2}$.
4. $860 \times 33\frac{1}{3}$.
5. 3.84×5.
6. 6.08×125.
7. $40.08 \times 3\frac{1}{3}$.
8. $8.007 \times 16\frac{2}{3}$.
9. 548×11.
10. 4609×11.
11. 96×98.
12. 93×99.
13. 91×97.
14. 91×94.
15. 96×92.
16. 93×94.
17. 996×998.
18. 994×993.
19. 995×997.
20. 991×996.
21. 608×100.
22. 8.03×10.
23. 90.7×1000.
24. 8.37×100.
25. $.086 \times 10$.
26. $786 \div 100$.
27. $8.06 \div 1000$.
28. $.089 \div 10$.
29. $10.07 \div 100$.
30. $7.08 \div 1000$.
31. $706 \div 50$.
32. $896 \div 25$.
33. $464 \div 12\frac{1}{2}$.
34. $8.09 \div 33\frac{1}{3}$.
35. $9.75 \div 125$.
36. $842 \div 16\frac{2}{3}$.
37. $788 \div 8\frac{1}{3}$.
38. $984 \div 33\frac{1}{3}$.
39. $480 \div 11\frac{1}{9}$.
40. $7.008 \div 12\frac{1}{2}$.

41. $8\frac{1}{2} \times 6\frac{1}{2}$; $7\frac{1}{2} \times 9\frac{1}{2}$; $15\frac{1}{2} \times 8\frac{1}{2}$; $12\frac{1}{2} \times 18\frac{1}{2}$; $11\frac{1}{2} \times 17\frac{1}{2}$.
42. $9\frac{1}{2} \times 9\frac{1}{2}$; $8\frac{1}{2} + 8\frac{1}{2}$; $16\frac{1}{2} + 16\frac{1}{2}$; $18\frac{1}{2} \times 18\frac{1}{2}$; $17\frac{1}{2} \times 19\frac{1}{2}$.
43. $(6 \times 18 \times 3 \times 25 \times 4 \times 9 \times 12) \div (8 \times 7 \times 15 \times 6 \times 12 \times 4)$.
44. $(8\frac{1}{2} \times 7 \times 12\frac{1}{2} + 12\frac{1}{2} \times 3\frac{1}{3} \times 7\frac{1}{2}) \div (14 \times 25 \times 2\frac{1}{8} \times 6\frac{1}{4} \times 3\frac{3}{4} \times 1\frac{1}{10})$.
45. $(18 \times 17 \times 3\frac{1}{8} \times 20 \times 80 \times 87\frac{1}{2}) \div (3\frac{1}{8} \times 12 \times 4\frac{1}{8} \times 30 \times 16 \times 6\frac{1}{4})$.
46. $(2.4 \times .25 \times 800 \times .05 \times 50.5) \div (20 \times 1.2 \times .05 \times 10.1 \times 1.01)$.
47. $(400 \times 6.25 \times 7.5 \times 4.50 \times 7.25) \div (25 \times 29 \times 1.025 \times 1.008)$.

48. 25% of 180
49. $33\frac{1}{3}\%$ of 240
50. 75% cf 300
51. $12\frac{1}{2}\%$ of 520
52. $16\frac{2}{3}\%$ of 170
53. $37\frac{1}{2}\%$ of 520
54. 25% of 341
55. 75% of 89
56. $66\frac{2}{3}\%$ of 810
57. $12\frac{1}{2}\%$ of 313
58. $6\frac{1}{4}\%$ of 640
59. $87\frac{1}{2}\%$ of 560
60. $33\frac{1}{3}\%$ of 164
61. $16\frac{2}{3}\%$ of 380
62. $11\frac{1}{9}\%$ of 200
63. $62\frac{1}{2}\%$ of 380
64. $37\frac{1}{2}\%$ of 241
65. $8\frac{1}{3}\%$ of 384
66. $6\frac{1}{4}\%$ of 400
67. $83\frac{1}{3}\%$ of 280

68. 8 is what per cent of 24 ? of 800 ? of 4 ? of .25 ? of 4000 ?
69. 24 is 150% of what number ? 75% ? $\frac{1}{2}\%$? $266\frac{2}{3}\%$?
70. 150% of 800 ? $\frac{1}{2}\%$? $266\frac{2}{3}\%$? $1\frac{1}{4}\%$? 600% ?
71. $\frac{1}{2}$ is 100% of what number ? 450% ? $66\frac{2}{3}\%$? $12\frac{1}{2}\%$?
72. .8 is what per cent of 1 ? of $\frac{1}{4}$? of 2.5 ? of 100 ? of .8 ?
73. 60.30 is 30% of what number ? $1\frac{1}{2}\%$ of what ? 150% of what ?
74. 80.40 is 10% more than what ? 20% less than what ?
75. $\frac{1}{2}\%$ of 1000 is what per cent of 600 ? of 2.5 ? of 150 ?
76. What number increased by 20% of itself equals 350 ?
77. What number increased by $133\frac{1}{3}\%$ of itself equals 175 ?