



Math Olympiad and Problem Solving Programs
E210 - Introductory Math Competitions
Problem Set 1.1 - The Number Laws

Name:

Date:

1. $\boxed{189}$
2. $\boxed{3868}$
3. $\boxed{18404}$
4. $\boxed{654}$
5. $\boxed{4581}$
6. $\boxed{1000}$
7. $\boxed{88876}$
8. $3547 - 569 + 22 = 3547 + (-569 + 22) = 3547 - 547 = \boxed{3000}$
9. $\boxed{200}$
10. $\boxed{2219778}$
11. $1273 - 198 - 98 = 1273 - (198 + 98) = 1273 - 296 = 1273 - 300 + 4 = 973 + 4 = \boxed{977}$
12. $\boxed{1215}$
13. $\boxed{1007}$
14. $\boxed{6371396}$
15. $(613 - 298) + (299 - 610) = 613 - 298 + 299 - 610 = (613 - 610) + (299 - 298) = 3 + 1 = \boxed{4}$
16. $\boxed{64}$
17. $\boxed{200}$
18. $\boxed{300}$
19. $\boxed{8}$
20. $42 \times 35 + 61 \times 35 - 3 \times 35 = 35(42 + 61 - 3) = 35(100) = \boxed{3500}$
21. $1000 \div (125 \div 4) = 1000 \div \frac{125}{4} = 1000 \times \frac{4}{125} = \frac{1000}{125} \times 4 = 8 \times 4 = \boxed{32}$
22. $\boxed{200,000}$