

Santa Ana Math Club

January 22, 2010

Name:

School:

Grade:

Supplementing Numbers:

1. $9 + 1 + 6 + 3 + 4 + 7 + 8 + 4 + 4 + 2 + 6 =$

2. $61 + 39 + 22 + 33 + 67 + 78 + 1 =$

Note that supplemental numbers do not have to add to 10 or 100, but really *any* power of 10 makes it easy.

3. $271 + 39 + 112 + 88 =$

4. $84 + 18 + 79 + 16 + 1 + 2 =$

5. $37 + 6 + 5 + 3 + 14 + 86 + 15 + 17 + 13 =$

6. $9 + 11 + 34 + 16 + 33 + 17 + 19 + 51 =$

7. $56 + 14 + 28 + 123 + 72 + 123 + 123 + 123 + 123 + 123 + 123 + 123 + 123 + 123 =$

8. $44 + 36 + 12 + 78 + 88 + 22 + 99 + 1 + 123 + 42 + 8 + 7 =$

Miscellaneous (not covered in powerpoint, but easy to do AND applicable for mental math)

9. $123123123123123 \div 123 =$

10. $1212121212121212121212121212 \div 4 =$

11. $369396 \div 3 =$

12. $4822224828662 \div 2 =$

Multiplication Tricks

$\times 9/99/999$ rule: _____

9. $65 \times 9 =$

10. $44 \times 9 =$

11. $18 \times 9 =$

12. $122 \times 9 =$

13. $87 \times 9 =$

14. $26 \times 9 =$

15. $1110 \times 9 =$

16. $223 \times 9 =$

17. $14 \times 9 =$

18. $90 \times 9 =$

19. $23 \times 99 =$

20. $67 \times 99 =$

21. $99990 \times 9 =$

22. $653 \times 9 =$

23. $2321 \times 9 =$

24. $90 \times 9 =$

25. $23 \times 99 =$

26. $67 \times 99 =$

27. $99990 \times 9 =$

28. $653 \times 99 =$

29. $80 \times 999 =$

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Multiplication Tricks:

× 15 rule: _____

30. $10 \times 15 =$

31. $11 \times 15 =$

32. $12 \times 15 =$

33. $13 \times 15 =$

34. $99 \times 15 =$

35. $42 \times 15 =$

36. $88 \times 15 =$

37. $37 \times 15 =$

38. $88 \times 15 =$

39. $17 \times 15 =$

40. $640 \times 15 =$

41. $143 \times 15 =$

Challenges:

Multiplication Tricks:

× 25 rule: _____

42. $84 \times 25 =$

43. $880 \times 25 =$

44. $8700 \times 25 =$

45. $96 \times 25 =$

46. $444 \times 25 =$

47. $1202 \times 25 =$

48. $88000 \times 25 =$

49. $90 \times 25 =$

50. $76 \times 25 =$

Multiplication Tricks:

× 19 rule: _____

51. $84 \times 19 =$

52. $880 \times 19 =$

53. $205 \times 19 =$

54. $80 \times 19 =$

55. $400 \times 19 =$

56. $370 \times 25 =$

57. $202 \times 19 =$

58. $17 \times 25 =$

59. $18 \times 25 =$

Multiplication Tricks:

× 45 rule: _____

60. $900 \times 45 =$

61. $800 \times 45 =$

62. $320 \times 45 =$

63. $84 \times 45 =$

64. $92 \times 45 =$

65. $118 \times 45 =$

66. $2002 \times 45 =$

67. $88 \times 45 =$

68. $670 \times 45 =$

Multiplication Tricks:

× 95 rule: Two ways: _____

69. $1200 \times 95 =$

70. $80 \times 95 =$

71. $720 \times 95 =$

72. $40 \times 95 =$

73. $842 \times 95 =$

74. $520 \times 95 =$