

Santa Ana Math Club  
January 22, 2010

Name:

School:

Grade:

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**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.  $520 \times 95 =$