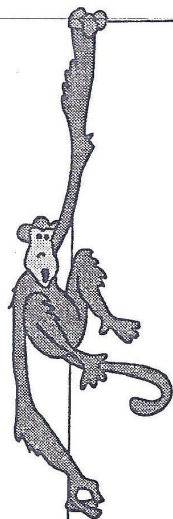


Addition and Subtraction Families



1

Family

$0 + 1 = 1$	$1 - 1 = 0$
$1 + 0 = 1$	$1 - 0 = 1$

2

Family

$0 + 2 = 2$	$2 - 2 = 0$
$1 + 1 = 2$	$2 - 1 = 1$
$2 + 0 = 2$	$2 - 0 = 2$

3

Family

$0 + 3 = 3$	$3 - 3 = 0$
$1 + 2 = 3$	$3 - 2 = 1$
$2 + 1 = 3$	$3 - 1 = 2$
$3 + 0 = 3$	$3 - 0 = 3$

4

Family

$0 + 4 = 4$	$4 - 4 = 0$
$1 + 3 = 4$	$4 - 3 = 1$
$2 + 2 = 4$	$4 - 2 = 2$
$3 + 1 = 4$	$4 - 1 = 3$
$4 + 0 = 4$	$4 - 0 = 4$

5

Family

$0 + 5 = 5$	$5 - 5 = 0$
$1 + 4 = 5$	$5 - 4 = 1$
$2 + 3 = 5$	$5 - 3 = 2$
$3 + 2 = 5$	$5 - 2 = 3$
$4 + 1 = 5$	$5 - 1 = 4$
$5 + 0 = 5$	$5 - 0 = 5$

6

Family

$0 + 6 = 6$	$6 - 6 = 0$
$1 + 5 = 6$	$6 - 5 = 1$
$2 + 4 = 6$	$6 - 4 = 2$
$3 + 3 = 6$	$6 - 3 = 3$
$4 + 2 = 6$	$6 - 2 = 4$
$5 + 1 = 6$	$6 - 1 = 5$
$6 + 0 = 6$	$6 - 0 = 6$

7

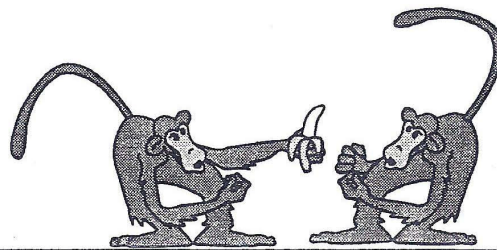
Family

$0 + 7 = 7$	$7 - 7 = 0$
$1 + 6 = 7$	$7 - 6 = 1$
$2 + 5 = 7$	$7 - 5 = 2$
$3 + 4 = 7$	$7 - 4 = 3$
$4 + 3 = 7$	$7 - 3 = 4$
$5 + 2 = 7$	$7 - 2 = 5$
$6 + 1 = 7$	$7 - 1 = 6$
$7 + 0 = 7$	$7 - 0 = 7$

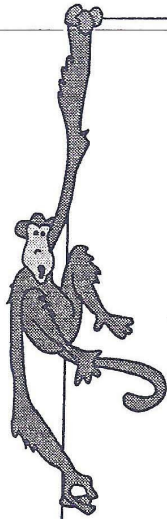
8

Family

$0 + 8 = 8$	$8 - 8 = 0$
$1 + 7 = 8$	$8 - 7 = 1$
$2 + 6 = 8$	$8 - 6 = 2$
$3 + 5 = 8$	$8 - 5 = 3$
$4 + 4 = 8$	$8 - 4 = 4$
$5 + 3 = 8$	$8 - 3 = 5$
$6 + 2 = 8$	$8 - 2 = 6$
$7 + 1 = 8$	$8 - 1 = 7$
$8 + 0 = 8$	$8 - 0 = 8$



Addition and Subtraction Families



**9**  
Family

$0 + 9 = 9$	$9 - 9 = 0$
$1 + 8 = 9$	$9 - 8 = 1$
$2 + 7 = 9$	$9 - 7 = 2$
$3 + 6 = 9$	$9 - 6 = 3$
$4 + 5 = 9$	$9 - 5 = 4$
$5 + 4 = 9$	$9 - 4 = 5$
$6 + 3 = 9$	$9 - 3 = 6$
$7 + 2 = 9$	$9 - 2 = 7$
$8 + 1 = 9$	$9 - 1 = 8$
$9 + 0 = 9$	$9 - 0 = 9$

**12**  
Family

$0 + 12 = 12$	$12 - 12 = 0$
$1 + 11 = 12$	$12 - 11 = 1$
$2 + 10 = 12$	$12 - 10 = 2$
$3 + 9 = 12$	$12 - 9 = 3$
$4 + 8 = 12$	$12 - 8 = 4$
$5 + 7 = 12$	$12 - 7 = 5$
$6 + 6 = 12$	$12 - 6 = 6$
$7 + 5 = 12$	$12 - 5 = 7$
$8 + 4 = 12$	$12 - 4 = 8$
$9 + 3 = 12$	$12 - 3 = 9$
$10 + 2 = 12$	$12 - 2 = 10$
$11 + 1 = 12$	$12 - 1 = 11$
$12 + 0 = 12$	$12 - 0 = 12$

**10**  
Family

$0 + 10 = 10$	$10 - 10 = 0$
$1 + 9 = 10$	$10 - 9 = 1$
$2 + 8 = 10$	$10 - 8 = 2$
$3 + 7 = 10$	$10 - 7 = 3$
$4 + 6 = 10$	$10 - 6 = 4$
$5 + 5 = 10$	$10 - 5 = 5$
$6 + 4 = 10$	$10 - 4 = 6$
$7 + 3 = 10$	$10 - 3 = 7$
$8 + 2 = 10$	$10 - 2 = 8$
$9 + 1 = 10$	$10 - 1 = 9$
$10 + 0 = 10$	$10 - 0 = 10$

**13**  
Family

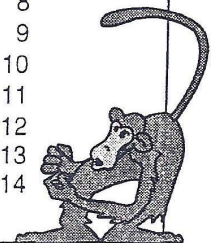
$0 + 13 = 13$	$13 - 13 = 0$
$1 + 12 = 13$	$13 - 12 = 1$
$2 + 11 = 13$	$13 - 11 = 2$
$3 + 10 = 13$	$13 - 10 = 3$
$4 + 9 = 13$	$13 - 9 = 4$
$5 + 8 = 13$	$13 - 8 = 5$
$6 + 7 = 13$	$13 - 7 = 6$
$7 + 6 = 13$	$13 - 6 = 7$
$8 + 5 = 13$	$13 - 5 = 8$
$9 + 4 = 13$	$13 - 4 = 9$
$10 + 3 = 13$	$13 - 3 = 10$
$11 + 2 = 13$	$13 - 2 = 11$
$12 + 1 = 13$	$13 - 1 = 12$
$13 + 0 = 13$	$13 - 0 = 13$

**11**  
Family

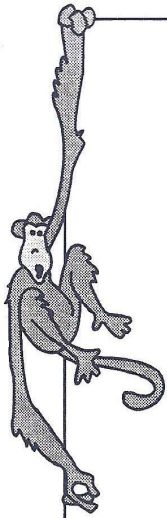
$0 + 11 = 11$	$11 - 11 = 0$
$1 + 10 = 11$	$11 - 10 = 1$
$2 + 9 = 11$	$11 - 9 = 2$
$3 + 8 = 11$	$11 - 8 = 3$
$4 + 7 = 11$	$11 - 7 = 4$
$5 + 6 = 11$	$11 - 6 = 5$
$6 + 5 = 11$	$11 - 5 = 6$
$7 + 4 = 11$	$11 - 4 = 7$
$8 + 3 = 11$	$11 - 3 = 8$
$9 + 2 = 11$	$11 - 2 = 9$
$10 + 1 = 11$	$11 - 1 = 10$
$11 + 0 = 11$	$11 - 0 = 11$

**14**  
Family

$0 + 14 = 14$	$14 - 14 = 0$
$1 + 13 = 14$	$14 - 13 = 1$
$2 + 12 = 14$	$14 - 12 = 2$
$3 + 11 = 14$	$14 - 11 = 3$
$4 + 10 = 14$	$14 - 10 = 4$
$5 + 9 = 14$	$14 - 9 = 5$
$6 + 8 = 14$	$14 - 8 = 6$
$7 + 7 = 14$	$14 - 7 = 7$
$8 + 6 = 14$	$14 - 6 = 8$
$9 + 5 = 14$	$14 - 5 = 9$
$10 + 4 = 14$	$14 - 4 = 10$
$11 + 3 = 14$	$14 - 3 = 11$
$12 + 2 = 14$	$14 - 2 = 12$
$13 + 1 = 14$	$14 - 1 = 13$
$14 + 0 = 14$	$14 - 0 = 14$



Addition and Subtraction Families



15

Family

$0 + 15 = 15$	$15 - 15 = 0$
$1 + 14 = 15$	$15 - 14 = 1$
$2 + 13 = 15$	$15 - 13 = 2$
$3 + 12 = 15$	$15 - 12 = 3$
$4 + 11 = 15$	$15 - 11 = 4$
$5 + 10 = 15$	$15 - 10 = 5$
$6 + 9 = 15$	$15 - 9 = 6$
$7 + 8 = 15$	$15 - 8 = 7$
$8 + 7 = 15$	$15 - 7 = 8$
$9 + 6 = 15$	$15 - 6 = 9$
$10 + 5 = 15$	$15 - 5 = 10$
$11 + 4 = 15$	$15 - 4 = 11$
$12 + 3 = 15$	$15 - 3 = 12$
$13 + 2 = 15$	$15 - 2 = 13$
$14 + 1 = 15$	$15 - 1 = 14$
$15 + 0 = 15$	$15 - 0 = 15$

16

Family

$0 + 16 = 16$	$16 - 16 = 0$
$1 + 15 = 16$	$16 - 15 = 1$
$2 + 14 = 16$	$16 - 14 = 2$
$3 + 13 = 16$	$16 - 13 = 3$
$4 + 12 = 16$	$16 - 12 = 4$
$5 + 11 = 16$	$16 - 11 = 5$
$6 + 10 = 16$	$16 - 10 = 6$
$7 + 9 = 16$	$16 - 9 = 7$
$8 + 8 = 16$	$16 - 8 = 8$
$9 + 7 = 16$	$16 - 7 = 9$
$10 + 6 = 16$	$16 - 6 = 10$
$11 + 5 = 16$	$16 - 5 = 11$
$12 + 4 = 16$	$16 - 4 = 12$
$13 + 3 = 16$	$16 - 3 = 13$
$14 + 2 = 16$	$16 - 2 = 14$
$15 + 1 = 16$	$16 - 1 = 15$
$16 + 0 = 16$	$16 - 0 = 16$

17

Family

$0 + 17 = 17$	$17 - 17 = 0$
$1 + 16 = 17$	$17 - 16 = 1$
$2 + 15 = 17$	$17 - 15 = 2$
$3 + 14 = 17$	$17 - 14 = 3$
$4 + 13 = 17$	$17 - 13 = 4$
$5 + 12 = 17$	$17 - 12 = 5$
$6 + 11 = 17$	$17 - 11 = 6$
$7 + 10 = 17$	$17 - 10 = 7$
$8 + 9 = 17$	$17 - 9 = 8$
$9 + 8 = 17$	$17 - 8 = 9$
$10 + 7 = 17$	$17 - 7 = 10$
$11 + 6 = 17$	$17 - 6 = 11$
$12 + 5 = 17$	$17 - 5 = 12$
$13 + 4 = 17$	$17 - 4 = 13$
$14 + 3 = 17$	$17 - 3 = 14$
$15 + 2 = 17$	$17 - 2 = 15$
$16 + 1 = 17$	$17 - 1 = 16$
$17 + 0 = 17$	$17 - 0 = 17$

18

Family

$0 + 18 = 18$	$18 - 18 = 0$
$1 + 17 = 18$	$18 - 17 = 1$
$2 + 16 = 18$	$18 - 16 = 2$
$3 + 15 = 18$	$18 - 15 = 3$
$4 + 14 = 18$	$18 - 14 = 4$
$5 + 13 = 18$	$18 - 13 = 5$
$6 + 12 = 18$	$18 - 12 = 6$
$7 + 11 = 18$	$18 - 11 = 7$
$8 + 10 = 18$	$18 - 10 = 8$
$9 + 9 = 18$	$18 - 9 = 9$
$10 + 8 = 18$	$18 - 8 = 10$
$11 + 7 = 18$	$18 - 7 = 11$
$12 + 6 = 18$	$18 - 6 = 12$
$13 + 5 = 18$	$18 - 5 = 13$
$14 + 4 = 18$	$18 - 4 = 14$
$15 + 3 = 18$	$18 - 3 = 15$
$16 + 2 = 18$	$18 - 2 = 16$
$17 + 1 = 18$	$18 - 1 = 17$
$18 + 0 = 18$	$18 - 0 = 18$

