

| <u>+1</u> | <u>+2</u> | <u>+3</u> | <u>+4</u> |
|-------------------|-------------------|-------------------|-------------------|
| 1 + 0 = 1 | 2 + 0 = 2 | 3 + 0 = 3 | 4 + 0 = 4 |
| 1 + 1 = 2 | 2 + 1 = 3 | 3 + 1 = 4 | 4 + 1 = 5 |
| 1 + 2 = 3 | 2 + 2 = 4 | 3 + 2 = 5 | 4 + 2 = 6 |
| 1 + 3 = 4 | 2 + 3 = 5 | 3 + 3 = 6 | 4 + 3 = 7 |
| 1 + 4 = 5 | 2 + 4 = 6 | 3 + 4 = 7 | 4 + 4 = 8 |
| 1 + 5 = 6 | 2 + 5 = 7 | 3 + 5 = 8 | 4 + 5 = 9 |
| 1 + 6 = 7 | 2 + 6 = 8 | 3 + 6 = 9 | 4 + 6 = 10 |
| 1 + 7 = 8 | 2 + 7 = 9 | 3 + 7 = 10 | 4 + 7 = 11 |
| 1 + 8 = 9 | 2 + 8 = 10 | 3 + 8 = 11 | 4 + 8 = 12 |
| 1 + 9 = 10 | 2 + 9 = 11 | 3 + 9 = 12 | 4 + 9 = 13 |
| <u>+5</u> | <u>+6</u> | <u>+7</u> | <u>+8</u> |
| 5 + 0 = 5 | 6 + 0 = 6 | 7 + 0 = 7 | 8 + 0 = 8 |
| 5 + 1 = 6 | 6 + 1 = 7 | 7 + 1 = 8 | 8 + 1 = 9 |
| 5 + 2 = 7 | 6 + 2 = 8 | 7 + 2 = 9 | 8 + 2 = 10 |
| 5 + 3 = 8 | 6 + 3 = 9 | 7 + 3 = 10 | 8 + 3 = 11 |
| 5 + 4 = 9 | 6 + 4 = 10 | 7 + 4 = 11 | 8 + 4 = 12 |
| 5 + 5 = 10 | 6 + 5 = 11 | 7 + 5 = 12 | 8 + 5 = 13 |
| 5 + 6 = 11 | 6 + 6 = 12 | 7 + 6 = 13 | 8 + 6 = 14 |
| 5 + 7 = 12 | 6 + 7 = 13 | 7 + 7 = 14 | 8 + 7 = 15 |
| 5 + 8 = 13 | 6 + 8 = 14 | 7 + 8 = 15 | 8 + 8 = 16 |
| 5 + 9 = 14 | 6 + 9 = 15 | 7 + 9 = 16 | 8 + 9 = 17 |

If the student memorizes the facts in **bold** print, then they will know the others that are not in bold. This does not include the +0, +1, and +10 facts since most children usually know these with little or no practice.

| <u>+9</u> | <u>+10</u> | <u>+11</u> | <u>+12</u> |
|-------------------|-------------------|--------------------|--------------------|
| 9 + 0 = 9 | 10 + 0 = 10 | 11 + 0 = 11 | 12 + 0 = 12 |
| 9 + 1 = 10 | 10 + 1 = 11 | 11 + 1 = 12 | 12 + 1 = 13 |
| 9 + 2 = 11 | 10 + 2 = 12 | 11 + 2 = 13 | 12 + 2 = 14 |
| 9 + 3 = 12 | 10 + 3 = 13 | 11 + 3 = 14 | 12 + 3 = 15 |
| 9 + 4 = 13 | 10 + 4 = 14 | 11 + 4 = 15 | 12 + 4 = 16 |
| 9 + 5 = 14 | 10 + 5 = 15 | 11 + 5 = 16 | 12 + 5 = 17 |
| 9 + 6 = 15 | 10 + 6 = 16 | 11 + 6 = 17 | 12 + 6 = 18 |
| 9 + 7 = 16 | 10 + 7 = 17 | 11 + 7 = 18 | 12 + 7 = 19 |
| 9 + 8 = 17 | 10 + 8 = 18 | 11 + 8 = 19 | 12 + 8 = 20 |
| 9 + 9 = 18 | 10 + 9 = 19 | 11 + 9 = 20 | 12 + 9 = 21 |

| <u>x1</u> | <u>x2</u> | <u>x3</u> | <u>x4</u> |
|-------------------|-------------------|-------------------|-------------------|
| 1 x 0 = 0 | 2 x 0 = 0 | 3 x 0 = 0 | 4 x 0 = 0 |
| 1 x 1 = 1 | 2 x 1 = 2 | 3 x 1 = 3 | 4 x 1 = 4 |
| 1 x 2 = 2 | 2 x 2 = 4 | 3 x 2 = 6 | 4 x 2 = 8 |
| 1 x 3 = 3 | 2 x 3 = 6 | 3 x 3 = 9 | 4 x 3 = 12 |
| 1 x 4 = 4 | 2 x 4 = 8 | 3 x 4 = 12 | 4 x 4 = 16 |
| 1 x 5 = 5 | 2 x 5 = 10 | 3 x 5 = 15 | 4 x 5 = 20 |
| 1 x 6 = 6 | 2 x 6 = 12 | 3 x 6 = 18 | 4 x 6 = 24 |
| 1 x 7 = 7 | 2 x 7 = 14 | 3 x 7 = 21 | 4 x 7 = 28 |
| 1 x 8 = 8 | 2 x 8 = 16 | 3 x 8 = 24 | 4 x 8 = 32 |
| 1 x 9 = 9 | 2 x 9 = 18 | 3 x 9 = 27 | 4 x 9 = 36 |
| <u>x5</u> | <u>x6</u> | <u>x7</u> | <u>x8</u> |
| 5 x 0 = 0 | 6 x 0 = 0 | 7 x 0 = 0 | 8 x 0 = 0 |
| 5 x 1 = 5 | 6 x 1 = 6 | 7 x 1 = 7 | 8 x 1 = 8 |
| 5 x 2 = 10 | 6 x 2 = 12 | 7 x 2 = 14 | 8 x 2 = 16 |
| 5 x 3 = 15 | 6 x 3 = 18 | 7 x 3 = 21 | 8 x 3 = 24 |
| 5 x 4 = 20 | 6 x 4 = 24 | 7 x 4 = 28 | 8 x 4 = 32 |
| 5 x 5 = 25 | 6 x 5 = 30 | 7 x 5 = 35 | 8 x 5 = 40 |
| 5 x 6 = 30 | 6 x 6 = 36 | 7 x 6 = 42 | 8 x 6 = 48 |
| 5 x 7 = 35 | 6 x 7 = 42 | 7 x 7 = 49 | 8 x 7 = 56 |
| 5 x 8 = 40 | 6 x 8 = 48 | 7 x 8 = 56 | 8 x 8 = 64 |
| 5 x 9 = 45 | 6 x 9 = 54 | 7 x 9 = 63 | 8 x 9 = 72 |

If the student memorizes the **bold** facts, they will know the ones that are not in bold since most of them are the reverse of the other facts. The x 0, x 1, x 10, and x 11 facts were not included since most children catch on to these quickly.

| <u>x9</u> | <u>x10</u> | <u>x11</u> | <u>x12</u> |
|-------------------|-------------|-------------|---------------------|
| 9 x 0 = 0 | 10 x 0 = 0 | 11 x 0 = 0 | 12 x 0 = 0 |
| 9 x 1 = 9 | 10 x 1 = 10 | 11 x 1 = 11 | 12 x 1 = 12 |
| 9 x 2 = 18 | 10 x 2 = 20 | 11 x 2 = 22 | 12 x 2 = 24 |
| 9 x 3 = 27 | 10 x 3 = 30 | 11 x 3 = 33 | 12 x 3 = 36 |
| 9 x 4 = 36 | 10 x 4 = 40 | 11 x 4 = 44 | 12 x 4 = 48 |
| 9 x 5 = 45 | 10 x 5 = 50 | 11 x 5 = 55 | 12 x 5 = 60 |
| 9 x 6 = 54 | 10 x 6 = 60 | 11 x 6 = 66 | 12 x 6 = 72 |
| 9 x 7 = 63 | 10 x 7 = 70 | 11 x 7 = 77 | 12 x 7 = 84 |
| 9 x 8 = 72 | 10 x 8 = 80 | 11 x 8 = 88 | 12 x 8 = 96 |
| 9 x 9 = 81 | 10 x 9 = 90 | 11 x 9 = 99 | 12 x 9 = 108 |