

**MULTIPLICATION BASE 10, 100, 1000**

|   |    |    |    |    |
|---|----|----|----|----|
| 9 | 12 | 15 | 96 | 89 |
| 8 | 13 | 17 | 93 | 95 |
|   |    |    |    |    |

**MULTIPLICATION BASE 10, 100, 1000**

|     |     |     |      |      |
|-----|-----|-----|------|------|
| 105 | 112 | 998 | 1006 | 1015 |
| 106 | 105 | 994 | 1007 | 1002 |
|     |     |     |      |      |

**MULTIPLICATION BASE 50, 150, 200 AND GENERAL METHOD**

|    |    |     |     |     |
|----|----|-----|-----|-----|
| 48 | 54 | 148 | 152 | 198 |
| 47 | 56 | 146 | 156 | 194 |
|    |    |     |     |     |

**MULTIPLICATION BASE 50, 150, 200 AND GENERAL METHOD**

|     |    |    |    |    |
|-----|----|----|----|----|
| 215 | 84 | 68 | 32 | 87 |
| 203 | 28 | 29 | 86 | 32 |
|     |    |    |    |    |

**MULTIPLICATION BY 11**

|                   |  |                   |  |
|-------------------|--|-------------------|--|
| $26 \times 11$    |  | $89 \times 11$    |  |
| $482 \times 11$   |  | $786 \times 11$   |  |
| $532 \times 11$   |  | $394 \times 11$   |  |
| $6123 \times 11$  |  | $2483 \times 11$  |  |
| $43211 \times 11$ |  | $45321 \times 11$ |  |

**ADDITION AND SUBTRACTION**

|     |     |     |         |          |
|-----|-----|-----|---------|----------|
| 364 | 354 | 254 | 1000000 | 2654893  |
| 258 | 625 | 953 | -756344 | -1325642 |
| 248 | 358 | 356 |         |          |
| 946 | 352 | 121 |         |          |
|     |     |     |         |          |
|     |     |     |         |          |

**FIND THE DIGITAL ROOT**

|       |        |         |      |        |
|-------|--------|---------|------|--------|
| 27548 | 365485 | 8654211 | 2314 | 165482 |
|       |        |         |      |        |
|       |        |         |      |        |

**VINACULATE THE NUMBER**

|      |     |     |       |      |
|------|-----|-----|-------|------|
| 2643 | 159 | 357 | 54835 | 1432 |
|      |     |     |       |      |
|      |     |     |       |      |

**FIND THE SQUARES**

|         |  |         |  |
|---------|--|---------|--|
| $25^2$  |  | $98^2$  |  |
| $65^2$  |  | $89^2$  |  |
| $35^2$  |  | $48^2$  |  |
| $55^2$  |  | $206^2$ |  |
| $105^2$ |  | $147^2$ |  |

**FIND THE SQUAREROOT**

|              |              |               |               |                |
|--------------|--------------|---------------|---------------|----------------|
| $\sqrt{144}$ | $\sqrt{841}$ | $\sqrt{3844}$ | $\sqrt{1024}$ | $\sqrt{46225}$ |
|              |              |               |               |                |
|              |              |               |               |                |

**DIVISION 9 SERIES**

|           |           |           |            |              |
|-----------|-----------|-----------|------------|--------------|
| 9   2658  | 9   4681  | 9   31213 | 9   34810  | 9   26531    |
|           |           |           |            |              |
|           |           |           |            |              |
| 99   1258 | 99   3524 | 99   7429 | 999   2896 | 999   226845 |
|           |           |           |            |              |
|           |           |           |            |              |

| <b>MULTIPLICATION BY 1111</b> |  |                    |  |
|-------------------------------|--|--------------------|--|
| $1894 \times 1111$            |  | $1801 \times 1111$ |  |
| $7896 \times 1111$            |  | $6887 \times 1111$ |  |
| $1429 \times 1111$            |  | $9568 \times 1111$ |  |
| $7535 \times 1111$            |  | $2378 \times 1111$ |  |
| $7795 \times 1111$            |  | $5818 \times 1111$ |  |

| <b>MULTIPLICATION BY 2222</b> |  |                    |  |
|-------------------------------|--|--------------------|--|
| $5651 \times 2222$            |  | $4231 \times 2222$ |  |
| $7147 \times 2222$            |  | $3768 \times 2222$ |  |
| $3965 \times 2222$            |  | $9398 \times 2222$ |  |
| $6785 \times 2222$            |  | $3396 \times 2222$ |  |
| $5237 \times 2222$            |  | $5678 \times 2222$ |  |

| <b>ADDITION, SUBTRACTION AND MULTIPLICATION</b> |        |        |      |       |
|---|--------|--------|------|-------|
| <b>(ALSO CHECK BY DIGITAL ROOT)</b>             |        |        |      |       |
| 852   | 50003  | 33333  | 44   | 129   |
| 202   | -37894 | -18898 | X 49 | X 146 |
| 312   |        |        |      |       |
| 188   |        |        |      |       |
|   |        |        |      |       |

| <b>MULTIPLICATION BASE 10, 50, 200</b> |    |    |     |     |
|--|----|----|-----|-----|
| 14                                     | 47 | 56 | 206 | 209 |
| 14                                     | 49 | 58 | 209 | 201 |
|  |    |    |     |     |
|  |    |    |     |     |

| <b>MULTIPLICATION BY 9 SERIES</b> |     |     |     |      |
|-----------------------------------|-----|-----|-----|------|
| 77                                | 535 | 447 | 894 | 7374 |
| 9                                 | 9   | 99  | 99  | 999  |
|                                   |     |     |     |      |
|                                   |     |     |     |      |

| <b>MULTIPLICATION BY 9 SERIES</b> |      |      |      |       |
|-----------------------------------|------|------|------|-------|
| 5897                              | 7031 | 235  | 1447 | 14473 |
| 999                               | 999  | 9999 | 9999 | 99999 |
|                                   |      |      |      |       |
|                                   |      |      |      |       |

| <b>MULTIPLICATION OF EVEN NUMBER BY 5</b> |    |    |     |     |
|---|----|----|-----|-----|
| 89  | 49 | 16 | 167 | 898 |
| 5   | 5  | 5  | 5   | 5   |
|   |    |    |     |     |
|   |    |    |     |     |

| <b>MULTIPLICATION OF EVEN NUMBER BY 5</b> |     |     |     |     |
|---|-----|-----|-----|-----|
| 790                                       | 500 | 604 | 706 | 968 |
| 5   | 5   | 5   | 5   | 5   |
|   |     |     |     |     |
|   |     |     |     |     |

| DUPLEX MULTIPLICATION |    |    |    |    |
|-----------------------|----|----|----|----|
| 75                    | 56 | 82 | 98 | 23 |
| 12                    | 23 | 33 | 44 | 55 |
|                       |    |    |    |    |
|                       |    |    |    |    |

| DUPLEX MULTIPLICATION |     |     |     |     |
|-----------------------|-----|-----|-----|-----|
| 205                   | 651 | 905 | 894 | 204 |
| 121                   | 233 | 333 | 444 | 555 |
|                       |     |     |     |     |
|                       |     |     |     |     |

| DIVISION BY 5, 50, 500 |                 |             |               |                 |
|------------------------|-----------------|-------------|---------------|-----------------|
| $146 \div 5$           | $86 \div 5$     | $29 \div 5$ | $983 \div 50$ | $833 \div 50$   |
|                        |                 |             |               |                 |
| $765 \div 500$         | $6531 \div 500$ | $23 \div 5$ | $693 \div 50$ | $2314 \div 500$ |
|                        |                 |             |               |                 |