

## Memorizing Multiplication Facts

The following method can aid in the process of recalling number facts for calculation. It is a simple method that embeds the facts in the multiple lists and gives a meaningful context for aiding memory. The student should work on only one multiples list at a time until they have mastered it to the automatic level with no hesitation when reciting. Most middle school students only need to work on the 6-9 tables, but the individual student should be assessed to determine specific areas of weakness.

TABLES

| 3  | 4  | 6  | 7  | 8  | 9  |
|----|----|----|----|----|----|
|    |    |    |    |    |    |
| 3  | 4  | 6  | 7  | 8  | 9  |
| 6  | 8  | 12 | 14 | 16 | 18 |
| 9  | 12 | 18 | 21 | 24 | 27 |
| 12 | 16 | 24 | 28 | 32 | 36 |
| 15 | 20 | 30 | 35 | 40 | 45 |
| 18 | 24 | 36 | 42 | 48 | 54 |
| 21 | 28 | 42 | 49 | 56 | 63 |
| 24 | 32 | 48 | 56 | 64 | 72 |
| 27 | 36 | 54 | 63 | 72 | 81 |
| 30 | 40 | 60 | 70 | 80 | 90 |

### STUDY STEPS

1. Study one table at a time until you have mastered it.
2. Say the table out loud several times in a row. Chunk the numbers into groups of three. Concentrate on making a visual image in your mind of the table as you say it.
3. Copy the table, saying it aloud as you work. Refer back if you need to for accuracy.
4. Copy the table several times, saying it aloud as you work.
5. Practice verbally without writing. Tap each number with the fingers on the opposite hand from the one you write with. If you are right handed, you will tap with your left hand so that when you are working on a math calculation you can tap while writing. Tap the first digit in the sequence with your thumb, the second with your pointer, returning to the thumb for the sixth digit, and ending with the pinky for the tenth digit.
6. Have someone test you. When you know the table in sequence, have someone ask you random facts and practice tapping them quickly to give the fact.
7. Practice, practice, practice
8. Don't forget to use this tool when doing math!!!!