

Multiplication Facts Learning Strategies

- Introduction:
 - Importance of knowing the multiplication facts.
- Properties of Multiplication:
 - *Repeated Addition:*
 - Illustration.
 - *Commutative Property:*
 - Definition.
 - Illustration.
 - *Associative Property:*
 - Definition.
 - Illustration.
- Multiplication Tables:
 - *List Format:*
 - Explain arrangement.
 - Fill in some values for the blank table.
 - *Skip Counting:*
 - Explain arrangement.
 - Fill in some values for the blank table.
 - *Grid Format:*
 - Explain arrangement.
 - Commutative Property diagonal on the table.
 - Fill in some values for the blank table.
- Internalize the Multiplication Facts:
 - The 0 and 1.
 - Start with easy numbers: 2, 5, 10, 11.
 - Then learn 3 and 4.
 - Then learn 9.
 - Then learn 6, 7, 8.
 - Finally, learn 12.
- Drills:
 - Start with the *List Format* multiplication table.
 - Next move to the *Skip Counting* multiplication table.
 - Then master the *Grid Format* multiplication table.
 - How to study the Grid Format: patterns, know only half of the table.
 - Highlight box for difficult to remember facts.
 - [Drills sheets](#) on my MAT 025 web page.
 - Free phone apps.
 - Do daily:
 - Drill for 10-15 minutes each session.
 - Morning, midday, evening.
- Summary:
 - Multiplication facts are a shorthand summary of numbers already multiplied and answered.
 - For multiplication facts, my mind does not compute and crunch the number super-fast.
 - I see the answer more like a label attached to a question.
 - Address, zip code, phone number, etc.
 - Facts examples.
 - Strive to achieve *accurate* and *quick* recall of the multiplication facts.
 - Download the multiplication facts tables from my MAT 025 web page.