Max Learning's Times Table Tricks \& Tales
www.maxlearning.net/Math/MathHandouts/ArA-TTTT.pdf

## Flash Card Basics

Print this handout, then:


Use corner dots as guides to stack cards problem-side up.



Memory hint (mnemonic), generally make-believe, to help you recall a procedure or technique.

Fold answer under problem along solid center line.

## Multiplication = Fast Addition

Did you know that multiplication is really only addition? The advantage is it's fast addition. For example, what is $5+5+5+5+5$ ? It's 25 of course. But once you've memorized that $5 \times 5=25$, you'll save yourself loads of time! (Adding gives you a SUM. Multiplying gives you a PRODUCT.)


## Tricks \& Tales

The standard $12 \times 12$ Times Table displays 144 products to memorize. Whew! Instead, this packet has just 33 flash cards. You'll learn "tricks" for some multipliers and "tales" for the rest. Long before written languages existed, humans passed on knowledge through tales (stories), which are easier to remember than dry facts. Here are some of the key elements and characters you'll see on these flash cards:


Tree (3)


Sick (6)


the Swede


Twelvis (12)
Presley
C Ommutative Property



| $5 \times[4,6,8,12]$ <br> I'm half the number you are! <br> number you are! | Half Ten Trick $5=1 / 2 \times 10$ <br> Take Half Times Ten $\begin{array}{ll} 5 \times 4 & 1 / 2 \times 4=2 \rightarrow \times 10=20 \\ 5 \times 6 & 1 / 2 \times 6=3 \rightarrow \times 10=30 \\ 5 \times 8 & 1 / 2 \times 8=4 \rightarrow \times 10=40 \\ 5 \times 12 & 1 / 2 \times 12=6 \rightarrow \times 10=60 \end{array}$ |
| :---: | :---: |
| $\boldsymbol{G}_{\times[2,3,4,5,6,7,8,9]}$ <br> \# $\square$ $+$ $\square$ $=9$ | 1-Less, Add-to-9 Trick <br> - Add to the result to mabtract 1 from the number |
| $10 \times$ number | $10 \times$ number <br> Float the Bubble Trick Move zero from 10 to the right side of the number |











