

# Table of Contents

<b>Introduction</b> .....	5
<b>Memorization Strategies</b>	
Looking at Sets .....	6
Using Multiples .....	7
Arrays.....	8
Write Four/Spin It .....	9
Make It/Draw It .....	10
Say It/ Write It  .....	11
Trace It/ Horizontal and Vertical.....	12
Pen It/ Part of the Family .....	12
Partner Practice/ Circling Partners.....	13
Flash Car Flip It/ Beat the Calculator OYO (On Your Own) .....	14
Draw, Write, Say, Quiz/ Connect It.....	15
Triangle Cards/ Triangle Card Partners .....	16
Mini Quiz/Mini Quiz Take Home.....	17
If I Know – One function/ If I Know .....	18
Partner Flash Cards/ Partner Calculator.....	19
My Personal Strategy.....	20
Triangle Cards .....	21-22
<b>Zero through Five</b>	
Zero to Five Table .....	23
Multiplication Flash Cards, Zero to Five.....	24-26
Sets of Zero or Zero Sets .....	27
Multiplying with One .....	28
I Know, So I Also Know .....	29
Linking The Facts (x2) .....	30
0 – 3 Spinner.....	31
Evens and Odds (x4).....	32
Five in an Egg Carton.....	33
Mini Quizzes, Facts 0 – 5 .....	34-38
Multiplication Fact Tests 0 – 5 .....	39-40
Zero to Five Division Table.....	41
Division Flash Cards, Zero to Five.....	42-44
What’s with One? .....	45
Groups with Two.....	46
Evens and Odds When Dividing.....	47
Colorful Dots.....	48
Straighten It Up .....	49
What about Zero?.....	50
Mini Quizzes, Facts 0 – 5 .....	51-56
Division Fact Tests 0 – 5.....	57-58
Fact Families One through Three .....	59
Fact Families Four and Five.....	60
Mini Quizzes, Facts 0 – 5 .....	61-63
Multiplication and Division Fact Tests 0 – 5 .....	64-65

# Table of Contents

## Six through Nine

Six to Nine Multiplication Table.....	66
Multiplication Flash Card Template.....	67
Multiplication Flash Cards 6 through 9.....	68
It's Rather Dicey.....	69
Multiplying with Seven.....	70
Follow the Rule.....	71
Using Cards for Nines.....	72
Mini Quizzes, Facts 6 – 9.....	73-76
Multiplication Fact Tests 6 – 9.....	77-78
Six to Nine Division Table.....	79
Division Flash Card Template.....	80
Division Flash Cards 6 through 9.....	81
Sixes Sets.....	82
Follow the Rule.....	83
Eight's Row and Column.....	84
Looking in Rows and Columns.....	85
Mini Quizzes, Facts 6 – 9.....	86-89
Division Fact Tests 6 – 9.....	90-91
Fact Families Six and Seven.....	92
Fact Families Eight and Nine.....	93
Mini Quizzes, Facts 6 – 9.....	94-95
Multiplication and Division Fact Tests 6 – 9.....	96-97

## Ten through Twelve

Ten to Twelve Multiplication Table.....	98
Multiplication Flash Cards 10 through 12.....	99
Rods and Units.....	100
If I Know.....	101
Mini Quiz, Facts 10 – 12.....	102
Multiplication Fact Tests 10 – 12.....	103-104
Ten to Twelve Division Table.....	105
Division Flash Cards 10 through 12.....	106
Dividing with Rods and Sets.....	107
Using Arrays.....	108
Mini Quiz, Facts 10 through 12.....	109
Division Fact Tests 10 through 12.....	110-111
Fact Families Ten, Eleven, and Twelve.....	112
Mini Quiz, Facts 10 – 12.....	113
Multiplication and Division Fact Tests 10 – 12.....	114-115

## Multi-Digit Strategies

Place Value Drawing.....	116
Multiplication Boxes.....	116
Pull It Apart.....	117
How Many in Each Group.....	118
Multiplication Strategy: Multiplication Boxes.....	119
Repeated Subtraction.....	120
Place Value Strategy for Division.....	121
Key.....	122-128

# Evens and Odds

## Multiplying with 4

Solve each problem. Write the product. Circle all even answers in red. Circle all odd answers in blue.

A.  $\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$      $\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$      $\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$      $\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$      $\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$      $\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$      $\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$      $\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$

B.  $\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$      $\begin{array}{r} 0 \\ \times 4 \\ \hline \end{array}$      $\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$      $\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$      $\begin{array}{r} 0 \\ \times 4 \\ \hline \end{array}$      $\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$      $\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$      $\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$

1. What type of number is the product when you multiply 2 even numbers together?

\_\_\_\_\_

2. What type of number is the product when you multiply 1 even and 1 odd number together?

\_\_\_\_\_

3. What type of number do you think the product will be when you multiply 2 odd numbers together?

\_\_\_\_\_

4. Use your answer to number 3 to test your idea with other facts. Discuss with a partner how this can help you learn your facts. Write your response on the lines.

\_\_\_\_\_

\_\_\_\_\_

# Follow the Rule

## Dividing with 7

Follow the rule. Write each quotient in the box. Write the complete problem on the first line. Then, write the partner problem on the second line. The first set has been written for you.

Rule	$\div 7$			Rule	$\div 7$		
14	2	$14 \div 7 = 2$	$14 \div 2 = 7$	0		_____	_____
35		_____	_____	28		_____	_____
7		_____	_____	49		_____	_____
42		_____	_____	21		_____	_____

Solve each problem. Write the quotient.

A.  $0 \div 7 =$        $21 \div 3 =$        $49 \div 7 =$        $42 \div 7 =$        $14 \div 7 =$

B.  $\begin{array}{r} 28 \\ \div 7 \end{array}$      $\begin{array}{r} 35 \\ \div 5 \end{array}$      $\begin{array}{r} 7 \\ \div 7 \end{array}$      $\begin{array}{r} 28 \\ \div 7 \end{array}$      $\begin{array}{r} 21 \\ \div 7 \end{array}$      $\begin{array}{r} 28 \\ \div 4 \end{array}$      $\begin{array}{r} 35 \\ \div 7 \end{array}$      $\begin{array}{r} 7 \\ \div 1 \end{array}$      $\begin{array}{r} 21 \\ \div 3 \end{array}$      $\begin{array}{r} 0 \\ \div 7 \end{array}$

C.  $7 \overline{)49}$      $7 \overline{)35}$      $6 \overline{)42}$      $4 \overline{)28}$      $7 \overline{)7}$      $3 \overline{)21}$      $2 \overline{)14}$      $6 \overline{)42}$      $7 \overline{)0}$      $7 \overline{)49}$