Small Flashcard Masters
for
MULTIPLICATION
from
MATH DITTOS 2
Fact Controlled
MULTIPLICATION
for Special Learners
Version 3.1.2

This PDF file contains small flash card masters, each with a set of 18 facts. Each fact and its inverse are presented, with the exception of the zero fact (Sorry, there was just no room for it on the card.). The cards are purposely small so that they'll easily fit in a pocket, thereby having an almost 50-50 chance of making it home. A matched answer card is also included for printing the answers on the back of the flash cards.

The masters are set up for 8 1/2 x 11 printing material. I print the cards with my Epson Stylus Color Inkjet Printer on 8 1/2 x 11 white card stock (65# cover weight) that I get at Office Max. It isn't cheap, but tagboard won't go through my printer, and the copiers at school don't like tag (can't keep it in register for front and back printing). Also, in keeping with the spirit of the MD2 series, it sure is nice just to go to the printer in the classroom and hammer out the number I need.

This file is part of the **MATH DITTOS 2** series, a unique, fact supported approach to teaching computation. Each page in the series presents a limited number of problems with plenty of workspace. The facts necessary to complete each problem are always presented on the page in a fact reference and practice section.

This file is freeware. It requires no registration fee, but all rights are retained by the author under U.S. Copyright registration.

The full version (sorry, not free!) of MATH DITTOS 2: Fact Controlled MULTIPLICATION for Special Learners is available at:
http://www.md2.witsandbits.com/fcm.html

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7/8/98
rev. 2/14/99

2 × 1

5 × 1

1 × 1 +

4 × 1 +

1 × 1

8 × 1

1 × 8 +

7 × 1 +

1 × 5

0 × 1 +

6 × 1 +

9 × 9 +

1 × 6 +

1 × 2 +

9 × 1 +

1 × 3

1 × 1

1 × 3

7 × 7

1 × 4

2 + 5	1 + 4	0 + 3
8 + 5	9 + 6	9 + 7
5 + 2	6 + 3	7 + 4

2 x2	5 x2	8 x2
1 x2	4 x2	7 x2
0 x2	3 x2	6 x2

2 x8	2 x5	2 x1
2 x9	2 x6	2 x3
9 x2	2 x7	2 x4

$$2 + 10 + 16 + 16 + 10 + 4$$

$$6 + 12 + 18 + 14 + 8 + 2$$

$$8 + 14 + 18 + 12 + 6 + 0$$

2 x3	5 x3	3 x8	3 x5
+			+
1 x3	4 x3	7 x3	3 x9
+	+		+
0 x3	3 x3	6 x3	9 x3
	+	+	
		3 x6	3 x3
			3 x1
		3 x7	3 x4

6 + 15 + 24 + 15 + 24 + 3

3 + 12 + 21 + 27 + 18 + 6

0 + 9 + 18 + 27 + 21 + 12

$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 5 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 8 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ \times 8 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ \times 5 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ \times 9 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ \times 6 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 3 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 6 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 9 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ \times 7 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$4 + 20 + 32 + 32 + 20 + 8$

$8 + 24 + 36 + 28 + 16 + 4$

$12 + 28 + 36 + 24 + 12 + 0$

$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$
+
$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$

$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$
+
$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$

$\begin{array}{r} 0 \\ \times 5 \\ \hline \end{array}$
+
$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$

$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$
+
$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$

$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$
+
$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$

$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$
+
$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$

$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$
+
$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$

$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$
+
$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$

$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$
+
$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$

$$15 + 20 + 40 + 40 + 25 + 10$$

$$10 + 30 + 45 + 35 + 20 + 5$$

$$15 + 35 + 45 + 30 + 15 + 0$$

$$2 \times 6$$ $$5 \times 6$$ $$6 \times 8$$ $$6 \times 1$$

$$+$$ $$+$$ $$+$$ $$+$$

$$1 \times 6$$ $$4 \times 6$$ $$6 \times 9$$ $$6 \times 4$$

$$+$$ $$+$$ $$+$$ $$+$$

$$0 \times 6$$ $$7 \times 6$$ $$6 \times 5$$ $$6 \times 3$$

$$+$$ $$+$$

$$3 \times 6$$ $$6 \times 9$$ $$6 \times 2$$

$$9 \times 6$$

$$6 \times 7$$

6 + 24   48 + 48   30 + 12

12 + 30   54 + 42   24 + 6

18 + 42   54 + 36   18 + 0

2 x7	5 x7	7 x8	7 x1
+	+		+
1 x7	4 x7	8 x7	7 x4
+	+		
0 x7	3 x7	7 x9	7 x5
+	+		+
7 x7	6 x7	7 x2	7 x3
	9 x7		
	7 x6		

$$
\begin{array}{r}
7 \\
28 \\
56 \\
+\ 56 \\
35 \\
14 \\
\end{array}
\qquad
\begin{array}{r}
14 \\
35 \\
49 \\
+\ 63 \\
28 \\
7 \\
\end{array}
\qquad
\begin{array}{r}
21 \\
42 \\
63 \\
+\ 42 \\
21 \\
0 \\
\end{array}
$$

2
x8

5
x8

+

1
x8

4
x8

+

8
x8

8
x7

+

0
x8

3
x8

+

7
x8

8
x9

+

8
x8

8
x4

+

9
x8

6
x8

+

8
x8

8
x5

+

8
x8

8
x1

8
x6

8
x3

8
x2

8 32 + 56 64 + 40 16

16 40 + 72 56 + 32 8

24 48 + 72 48 + 24 0

$$2 \times 9$$
$$5 \times 9$$
$$9 \times 9$$

$$1 \times 9$$
$$4 \times 9$$
$$8 \times 9$$

$$0 \times 9 \;+$$
$$7 \times 9 \;+$$
$$9 \times 7 \;+$$

$$3 \times 9$$
$$9 \times 8$$
$$9 \times 4$$

$$6 \times 9 \;+$$
$$9 \times 5 \;+$$
$$9 \times 1 \;+$$

$$9 \times 9$$
$$9 \times 2$$

$$9 \times 6$$
$$9 \times 3$$

9 + 36 + 63 + 72 + 45 + 18

18 + 45 + 72 + 63 + 36 + 9

27 + 54 + 81 + 54 + 27 + 0

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