Math Facts Flashcards: Multiplication

The best math fact flashcards I've ever used had the problem with the answer on one side (for learning the math fact), and the problem without the answer on the back (for testing accuracy and speed). Although math flashcards are easy to obtain just about anywhere, finding ones that include the answer, for helping students LEARN the fact, have become very hard to find. They were one of the first things I ever made, once I had a computer.

These flashcard sets include facts for multiplying from 0 up to 9. Each set prints out on one 8.5x11 piece of paper, double sided. You can make enough sets for each child to have their own, as well as sets for them to take home. Make sure the children use the side with the answer when they are trying to learn new facts. (How can you learn what you don't know?) Then, when they want to test themselves for accuracy and speed, they can turn the cards over, hiding the answers.
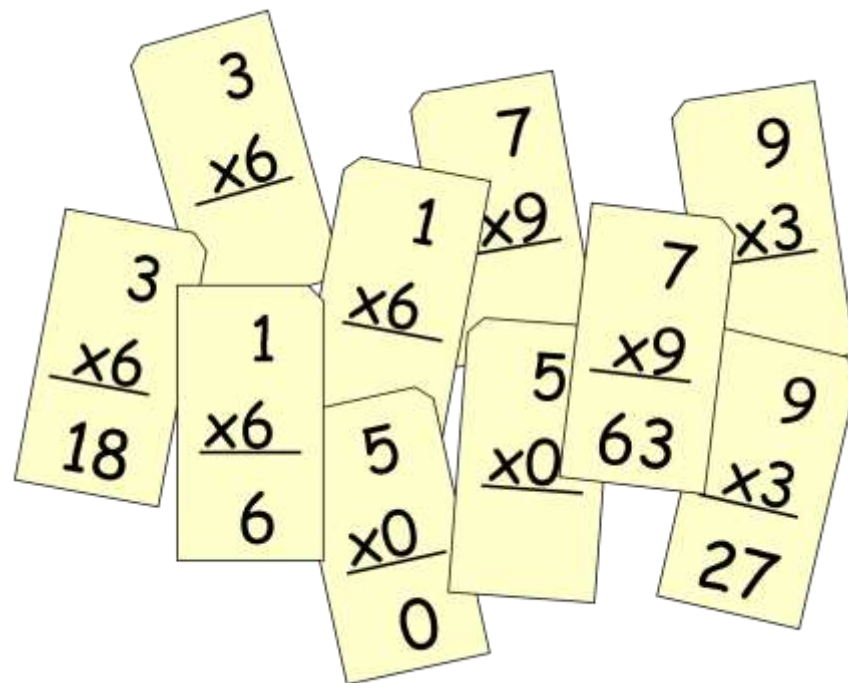
Preparation:
- Run on cover stock, or heavy drawing paper, 2 sided. Darker colors will hide the answers better. Standard green cover stock works very well.
- File them so they are easily available when you need them.
- Students may cut their own cards apart and trim off the corners. This will allow them to quickly set the cards so they face the same way. They may keep them in an envelope or zippered baggie.
- Send a set home with the student to celebrate moving on to the next level. Parents can use the cards for drill, and to play with family board games at home. You can also assign them for homework practice.

Uses:
There are lots of ways to use individual flashcards, including
- 2-3 minutes of individual practice daily
- free time practice
- use with multiuse game boards—each child has their own set of cards. They correctly answer before taking a turn, practice while waiting for a turn.
- small group practice and games
- lay a treat on the card, treat is kept when answered correctly
- classroom relay games

See the included file, "Making and Using Math Flash Cards" for more ideas. You can send this home to parents to provide more information on how to use flash cards in a fun manner.

$$\begin{array}{r} 0 \\ \times 0 \\ \hline 0 \end{array} \qquad \begin{array}{r} 1 \\ \times 0 \\ \hline 0 \end{array} \qquad \begin{array}{r} 2 \\ \times 0 \\ \hline 0 \end{array} \qquad \begin{array}{r} 3 \\ \times 0 \\ \hline 0 \end{array} \qquad \begin{array}{r} 4 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 5 \\ \times 0 \\ \hline 0 \end{array} \qquad \begin{array}{r} 6 \\ \times 0 \\ \hline 0 \end{array} \qquad \begin{array}{r} 7 \\ \times 0 \\ \hline 0 \end{array} \qquad \begin{array}{r} 8 \\ \times 0 \\ \hline 0 \end{array} \qquad \begin{array}{r} 0 \\ \times 0 \\ \hline 0 \end{array}$$

4	3	2	1	0
x0	x0	x0	x0	x0

9	8	7	6	5
x0	x0	x0	x0	x0

$$\begin{array}{r} 0 \\ \times 1 \\ \hline 0 \end{array} \qquad \begin{array}{r} 1 \\ \times 1 \\ \hline 1 \end{array} \qquad \begin{array}{r} 2 \\ \times 1 \\ \hline 2 \end{array} \qquad \begin{array}{r} 3 \\ \times 1 \\ \hline 3 \end{array} \qquad \begin{array}{r} 4 \\ \times 1 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 5 \\ \times 1 \\ \hline 5 \end{array} \qquad \begin{array}{r} 6 \\ \times 1 \\ \hline 6 \end{array} \qquad \begin{array}{r} 7 \\ \times 1 \\ \hline 7 \end{array} \qquad \begin{array}{r} 8 \\ \times 1 \\ \hline 8 \end{array} \qquad \begin{array}{r} 9 \\ \times 1 \\ \hline 9 \end{array}$$

4 x1	3 x1	2 x1	1 x1	0 x1
9 x1	8 x1	7 x1	6 x1	5 x1

0	1	2	3	4
$\times 2$	$\times 2$	$\times 2$	$\times 2$	$\times 2$
0	2	4	6	8

5	6	7	8	9
$\times 2$	$\times 2$	$\times 2$	$\times 2$	$\times 2$
10	12	14	16	18

4	3	2	1	0
x2	x2	x2	x2	x2

9	8	7	6	5
x2	x2	x2	x2	x2

0	1	2	3	4
x3	x3	x3	x3	x3
0	3	6	9	12
5	6	7	8	9
x3	x3	x3	x3	x3
15	18	21	24	27

| 4 | 3 | 2 | 1 | 0 |
x3	x3	x3	x3	x3
9	8	7	6	5
x3	x3	x3	x3	x3

0	1	2	3	4
x4	x4	x4	x4	x4
0	4	8	12	16

5	6	7	8	9
x4	x4	x4	x4	x4
20	24	28	32	36

4	3	2	1	0
x4	x4	x4	x4	x4

9	8	7	6	5
x4	x4	x4	x4	x4

0	1	2	3	4
x5	x5	x5	x5	x5
0	5	10	15	20

5	6	7	8	9
x5	x5	x5	x5	x5
25	30	35	40	45

4 x5	3 x5	2 x5	1 x5	0 x5
9 x5	8 x5	7 x5	6 x5	5 x5

0	1	2	3	4
x6	x6	x6	x6	x6
0	6	12	18	24

5	6	7	8	9
x6	x6	x6	x6	x6
30	30	42	48	54

4	3	2	1	0
x6	x6	x6	x6	x6
9	8	7	6	5
x6	x6	x6	x6	x6

0	1	2	3	4
x7	x7	x7	x7	x7
0	7	14	21	28

5	6	7	8	9
x7	x7	x7	x7	x7
35	42	49	56	63

4 x7	3 x7	2 x7	1 x7	0 x7
9 x7	8 x7	7 x7	6 x7	5 x7

0	1	2	3	4
x8	x8	x8	x8	x8
0	8	16	24	32

5	6	7	8	9
x8	x8	x8	x8	x8
40	48	56	64	72

4 x8	3 x8	2 x8	1 x8	0 x8
9 x8	8 x8	7 x8	6 x8	5 x8

0	1	2	3	4
x9	x9	x9	x9	x9
0	9	18	27	36

5	6	7	8	9
x9	x9	x9	x9	x9
45	54	63	72	81

4	3	2	1	0
x9	x9	x9	x9	x9

9	8	7	6	5
x9	x9	x9	x9	x9

10	10	10	10	10
x0	x1	x2	x3	x4
0	10	20	30	40

10	10	10	10	10
x5	x6	x7	x8	x9
50	60	70	80	90

10	10	10	10	10
x4	x3	x2	x1	x0
10	10	10	10	10
x9	x8	x7	x6	x5

11	11	11	11	11
x0	x1	x2	x3	x4
0	11	22	33	44

11	11	11	11	11
x5	x6	x7	x8	x9
55	66	77	88	99

11	11	11	11	11
x4	x3	0	x1	x0

11	11	11	11	11
x9	x8	x7	x6	x5

12	12	12	12	12
x0	x1	x2	x3	x4
0	12	24	36	48

12	12	12	12	12
x5	x6	x7	x8	x9
60	72	84	96	10

12	12	12	12	12
x4	x3	0	x1	x0

12	12	12	12	12
x9	x8	x7	x6	x5