

## Guidelines:

- *The Three Stacks.* Initially, some (if not all) of the new flashcards are divided into a *weekly stack* and a *daily stack*. After several weeks of daily work, a *finished stack* is created.
- *Getting Started.* Individual flashcards are initially created by cutting the flashcard sheets along the lines. Answers should be written lightly in pencil on the back. On the first day, go through a large stack of new flashcards (perhaps more than 100 cards), by dividing it into two stacks: the *weekly stack*, which are those cards the child knows very well and quickly (e.g. as quickly as one ought to know  $2+3=5$ ), and the *daily stack*, which are those cards the child either doesn't know, or should be recalled more quickly.
- *Making Progress.* The child then needs to practice the *daily stack* every day for the rest of the week. Then, on the determined day of the week, shuffle together the *weekly stack* and the *daily stack*, and go through it all in order to create a new *daily stack* and *weekly stack*. Once the *weekly stack* becomes smaller you can add more new flashcards to it. The *daily stack* should never be so big that it takes too much time to get through; it should be between 10 and 50 cards, and take just a few minutes to get through. The drive to school can be an ideal time to do the *daily stack*. Once a card has been in the *weekly stack* for about two months and there seems to be no chance that it will *ever* be forgotten, then it can be put into the *finished stack*. The goal is to have all of the flashcards end up in the *finished stack*. Even this *finished stack* should be reviewed a couple times per year.

## The 105 Key Arithmetic Facts (Each appears as a “fact of the week”)

8 + 2	6 + 6	10 – 8	13 – 9	3 x 3	6 x 6
9 + 2	7 + 6	10 – 7	13 – 8	3 x 4	6 x 7
7 + 3	8 + 6	10 – 6	13 – 7	3 x 5	6 x 8
8 + 3	9 + 6	10 – 5	13 – 6	3 x 6	6 x 9
9 + 3	7 + 7	10 – 4	13 – 5	3 x 7	6 x 12
6 + 4	8 + 7	10 – 3	13 – 4	3 x 8	7 x 7
7 + 4	9 + 7	10 – 2	14 – 9	3 x 9	7 x 8
8 + 4	8 + 8	11 – 9	14 – 8	3 x 12	7 x 9
9 + 4	9 + 8	11 – 8	14 – 7	4 x 4	7 x 12
5 + 5	9 + 9	11 – 7	14 – 6	4 x 5	8 x 8
6 + 5		11 – 6	14 – 5	4 x 6	8 x 9
7 + 5		11 – 5	15 – 9	4 x 7	8 x 12
8 + 5		11 – 4	15 – 8	4 x 8	9 x 9
9 + 5		11 – 3	15 – 7	4 x 9	9 x 12
		11 – 2	15 – 6	4 x 12	11 x 11
		12 – 9	16 – 9	5 x 5	11 x 12
		12 – 8	16 – 8	5 x 6	12 x 12
		12 – 7	16 – 7	5 x 7	
		12 – 6	17 – 9	5 x 8	
		12 – 5	17 – 8	5 x 9	
		12 – 4	18 – 9	5 x 12	
		12 – 3			

## Facts of the Week

Week #1: 8 + 2; 7 + 3; 6 + 4; 9 + 2; 9 + 3; 9 + 4; 9 + 5; 9 + 6; 9 + 7; 9 + 8

Week #2: 5 + 5; 6 + 6; 7 + 7; 8 + 8; 9 + 9

Week #3: 10 – 8; 10 – 7; 10 – 6; 3 x 3; 3 x 4

Week #4: 8 + 3; 7 + 4; 6 + 5; 10 – 5; 3 x 8

Week #5: 8 + 4; 7 + 5; 10 – 4; 10 – 3; 10 – 2

Week #6: 8 + 5; 7 + 6; 11 – 9; 12 – 9; 13 – 9

Week #7: 8 + 6; 8 + 7; 14 – 9; 15 – 9; 3 x 7

Week #8: 16 – 9; 17 – 9; 18 – 9; 3 x 9; 4 x 5

Week #9: 11 – 8; 13 – 8; 3 x 6; 4 x 4; 5 x 5

Week #10: 11 – 4; 12 – 8; 13 – 4; 3 x 5; 5 x 6

Week #11: 11 – 7; 12 – 5; 16 – 7; 3 x 12; 5 x 8

Week #12: 12 – 3; 13 – 7; 14 – 7; 4 x 7; 5 x 7

Week #13: 11 – 5; 13 – 5; 17 – 8; 4 x 9; 5 x 12

Week #14: 12 – 4; 14 – 6; 15 – 6; 4 x 8; 5 x 9

Week #15: 11 – 6; 13 – 6; 14 – 5; 7 x 8; 4 x 6

Week #16: 11 – 2; 12 – 6; 15 – 7; 6 x 9; 6 x 12

Week #17: 11 – 3; 14 – 8; 15 – 8; 6 x 7; 6 x 6

Week #18: 12 – 7; 16 – 8; 6 x 8; 7 x 7; 7 x 9

Week #19: 4 x 12; 8 x 8; 8 x 9; 11 x 11; 9 x 9

Week #20: 7 x 12; 8 x 12; 9 x 12; 11 x 12; 12 x 12

## Fourth Grade Flashcards

$2 + 2$

$8 + 2$

$3 + 7$

$2 + 3$

$2 + 9$

$8 + 3$

$4 + 2$

$3 + 3$

$3 + 9$

$2 + 5$

$4 + 3$

$4 + 4$

$6 + 2$

$3 + 5$

$5 + 4$

$2 + 7$

$6 + 3$

$4 + 6$

## Fourth Grade Flashcards

$7 + 4$

$8 + 5$

$7 + 7$

$4 + 8$

$5 + 9$

$8 + 7$

$9 + 4$

$6 + 6$

$7 + 9$

$5 + 5$

$7 + 6$

$8 + 8$

$6 + 5$

$6 + 8$

$8 + 9$

$5 + 7$

$9 + 6$

$9 + 9$

## Fourth Grade Flashcards

$2 \times 2$

$8 \times 2$

$5 \times 3$

$2 \times 3$

$2 \times 9$

$3 \times 6$

$4 \times 2$

$2 \times 11$

$7 \times 3$

$2 \times 5$

$12 \times 2$

$3 \times 8$

$6 \times 2$

$3 \times 3$

$9 \times 3$

$2 \times 7$

$3 \times 4$

$3 \times 12$

## Fourth Grade Flashcards

$10 \times 2$

$8 \times 4$

$7 \times 5$

$3 \times 10$

$4 \times 9$

$5 \times 8$

$4 \times 4$

$11 \times 4$

$9 \times 5$

$4 \times 5$

$12 \times 4$

$5 \times 10$

$6 \times 4$

$5 \times 5$

$11 \times 5$

$4 \times 7$

$5 \times 6$

$5 \times 12$

## Fourth Grade Flashcards

6 x 6

7 x 8

9 x 9

7 x 6

9 x 7

9 x 12

6 x 8

7 x 12

11 x 11

9 x 6

8 x 8

11 x 12

6 x 12

9 x 8

12 x 12

7 x 7

8 x 12

10 x 12

## Fourth Grade Flashcards

$10 \times 10$

$5 - 2$

$7 - 5$

$11 \times 10$

$6 - 5$

$7 - 4$

$4 - 3$

$6 - 4$

$7 - 3$

$4 - 2$

$6 - 3$

$7 - 2$

$5 - 4$

$6 - 2$

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## Fourth Grade Flashcards

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## Fourth Grade Flashcards

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$16 - 7$

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$17 - 6$

$15 - 2$

$16 - 5$

$17 - 4$

$16 - 10$

$16 - 3$

$17 - 2$

$16 - 9$

$17 - 9$

$18 - 5$

$16 - 8$

$17 - 8$

$18 - 9$