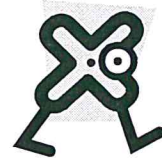# It's Multiplication Time!

Dear Families,

As a project over Thanksgiving break, we would like each student to create their own set of multiplication flashcards. Although there are many flashcards available for purchase, we feel that it is meaningful for them to make their own to help them start to learn their facts. We will be doing an example set in class for the "1 facts", so the students should know exactly what to do.

We will be sending home the materials that the students need. Each student will get index cards and baggies for the students to keep their flashcards organized.

Students will need to:
1) Cut 6 index cards in half for each set.
2) Write the question (example: 2 X 4) on one side and the answer on the other (example: 8). Please don't use dark marker that will show through the card.
3) Write their initials on each card so their flashcards don't get confused with other students' flashcards in class.
4) Put each set in a different sandwich-sized baggie.
5) Put all 12 sandwich-sized baggies into a gallon-sized baggie.
6) Bring the finished flashcards to school by Wednesday, December 4th.

To help with this, we have copied the multiplication facts on the back of the letter to assist the students in completing the flashcards correctly. *Please ensure that their answers are correct on their flashcards, so they aren't studying incorrect facts!*

Thank you for your cooperation and help! You can even start quizzing the students once they have completed the flashcards. A Common Core standard requires all third grade students to know from memory the answer to all one digit x one digit multiplication problems by the end of third grade. We're hoping to extend that up to 12 x 12.

Sincerely, The Third Grade Team

Multiplication Facts 0-12

1	2	3	4	5
1 x 0 = 0	2 x 0 = 0	3 x 0 = 0	4 x 0 = 0	5 x 0 = 0
1 x 1 = 1	2 x 1 = 2	3 x 1 = 3	4 x 1 = 4	5 x 1 = 5
1 x 2 = 2	2 x 2 = 4	3 x 2 = 6	4 x 2 = 8	5 x 2 = 10
1 x 3 = 3	2 x 3 = 6	3 x 3 = 9	4 x 3 = 12	5 x 3 = 15
1 x 4 = 4	2 x 4 = 8	3 x 4 = 12	4 x 4 = 16	5 x 4 = 20
1 x 5 = 5	2 x 5 = 10	3 x 5 = 15	4 x 5 = 20	5 x 5 = 25
1 x 6 = 6	2 x 6 = 12	3 x 6 = 18	4 x 6 = 24	5 x 6 = 30
1 x 7 = 7	2 x 7 = 14	3 x 7 = 21	4 x 7 = 28	5 x 7 = 35
1 x 8 = 8	2 x 8 = 16	3 x 8 = 24	4 x 8 = 32	5 x 8 = 40
1 x 9 = 9	2 x 9 = 18	3 x 9 = 27	4 x 9 = 36	5 x 9 = 45
1 x 10 = 10	2 x 10 = 20	3 x 10 = 30	4 x 10 = 40	5 x 10 = 50
1 x 11 = 11	2 x 11 = 22	3 x 11 = 33	4 x 11 = 44	5 x 11 = 55
1 x 12 = 12	2 x 12 = 24	3 x 12 = 36	4 x 12 = 48	5 x 12 = 60

6	7	8	9	10	11
6 x 0 = 0	7 x 0 = 0	8 x 0 = 0	9 x 0 = 0	10 x 0 = 0	11 x 0 = 0
6 x 1 = 6	7 x 1 = 7	8 x 1 = 8	9 x 1 = 9	10 x 1 = 10	11 x 1 = 11
6 x 2 = 12	7 x 2 = 14	8 x 2 = 16	9 x 2 = 18	10 x 2 = 20	11 x 2 = 22
6 x 3 = 18	7 x 3 = 21	8 x 3 = 24	9 x 3 = 27	10 x 3 = 30	11 x 3 = 33
6 x 4 = 24	7 x 4 = 28	8 x 4 = 32	9 x 4 = 36	10 x 4 = 40	11 x 4 = 44
6 x 5 = 30	7 x 5 = 35	8 x 5 = 40	9 x 5 = 45	10 x 5 = 50	11 x 5 = 55
6 x 6 = 36	7 x 6 = 42	8 x 6 = 48	9 x 6 = 54	10 x 6 = 60	11 x 6 = 66
6 x 7 = 42	7 x 7 = 49	8 x 7 = 56	9 x 7 = 63	10 x 7 = 70	11 x 7 = 77
6 x 8 = 48	7 x 8 = 56	8 x 8 = 64	9 x 8 = 72	10 x 8 = 80	11 x 8 = 88
6 x 9 = 54	7 x 9 = 63	8 x 9 = 72	9 x 9 = 81	10 x 9 = 90	11 x 9 = 99
6 x 10 = 60	7 x 10 = 70	8 x 10 = 80	9 x 10 = 90	10 x 10 = 100	11 x 10 = 110
6 x 11 = 66	7 x 11 = 77	8 x 11 = 88	9 x 11 = 99	10 x 11 = 110	11 x 11 = 121
6 x 12 = 72	7 x 12 = 84	8 x 12 = 96	9 x 12 = 108	10 x 12 = 120	11 x 12 = 132

12				
12 x 0 = 0				
12 x 1 = 12				
12 x 2 = 24				
12 x 3 = 36				
12 x 4 = 48				
12 x 5 = 60				
12 x 6 = 72				
12 x 7 = 84				
12 x 8 = 96				
12 x 9 = 108				
12 x 10 = 120				
12 x 11 = 132				
12 x 12 = 144				

* Students do not need to make flashcards for the 0's (____ x 0 = 0) since every answer is 0!