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To the parents and caregivers of the children in Room 4 maths,

At the moment we are all practising how to use an algorithm to solve multiplication problems, and some of us have started to solve division problems using long and short division. I have noticed that there is a real need for the tamariki to learn and practice their multiplication basic facts. I would appreciate your support with this learning. Please encourage your child to practise at home. Here are some activities they could be doing at home to help and support the learning they are doing in class. I have also included a multiplication grid on the reverse of this letter to use at home.

<p>#1. Facts In a Flash</p> <p>Use index cards to make flash cards for each fact. Take turns quizzing a partner. Be sure to store your cards in a sandwich baggie.</p>	<p>#2. CrossNumber Fun</p> <p>Create your own Cross Number Puzzle using graph paper. Be sure to record clues for ACROSS and DOWN. You may trade Cross Number Puzzles with a partner to solve. An Answer Key should also be attached.</p>	<p>#3. Things that Come in Groups</p> <p>Illustrate each fact: Show the number of groups there are and how many are in each group. Make sure to include an <u>equation</u> to match your illustration.</p>
<p>#4. Array We Go!</p> <p>Write each fact for the tables you are practicing. Draw an array to match each fact.</p> <p>Example: $2 \times 6 = 12$</p> <p>♥♥♥♥♥♥ ♥♥♥♥♥♥</p>	<p>#5. Rainbow Facts</p> <p>Write each fact 3 times using a different colored pencil.</p> <p>Example:</p> <p>$3 \times 5 = 15$ $3 \times 5 = 15$ $3 \times 5 = 15$</p>	<p>#6. What's the Problem?</p> <p>Choose 5 multiplication facts. Write 5 story problems to go with each fact. Solve each story problem at least 2 different ways. Be sure to show your work!</p>
<p>#7. It's a RAP!</p> <p>Write your own rap, rhyme or song to help you remember the facts for this multiplication table.</p>	<p>#8. We are FAMILY...</p> <p>Write a fact family to go with each multiplication fact.</p> <p>Example: $2 \times 1 = 2$ $1 \times 2 = 2$ $2 \div 1 = 2$ $2 \div 2 = 1$</p>	<p>#9. Shape Up!</p> <p>Write each fact. <u>Underline</u> the factors and <u>circle</u> the products.</p> <p>Example: $2 \times \underline{8} = \textcircled{16}$</p>

The children have a few websites (online) they use in class, which they could use at home also to help build their basic fact knowledge. Your child has a login that they know and can use with your permission:

www.xtramath.org

www.studyladder.co.nz

<https://maths.prototec.co.nz/>

[https://www.factmonster.com/math/flashcard?op\[0\]=multiplication&level=3](https://www.factmonster.com/math/flashcard?op[0]=multiplication&level=3)

X	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

We will make flash cards of their trickiest timestables in the classroom and the children will then bring these home to practise with also.

If you have any questions please do not hesitate to contact me nantoniadis@kns.ac.nz

Kind regards

Nicole Antoniadis
Room 4 Teacher