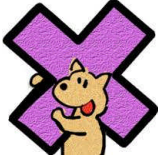


Dear Parents/Guardians:

Children often lose some of their skills they learned during the school year if they don't engage in learning activities over the summer. This is particularly true in math. A study from the University of Missouri shows that, on average, students lose over 2½ months of math knowledge over the summer.

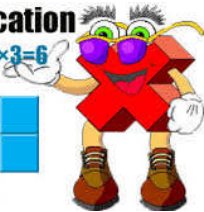
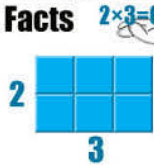


We all know being fluent in basic math facts is a building block for success in all levels of mathematics. For this reason, we are targeting this summer all of these skills, but especially **basic multiplication facts** as a Paul W. Carleton School goal to help students retain strong math skills.

We have made a summer incentive program for students, like your child, who are entering Grade 4 and Grade 5. We are calling it S.M.A.R.T. - *Summer Math Academic Review Time*. We know this program can help motivate and encourage your child learning and retaining, or even improving, basic math facts over the summer. Time off from school doesn't need to be time off from learning and becoming smarter.



Multiplication Facts



We are asking you to encourage your child as they complete the *Summer Math Activities Packet* along with their *Multiplication Math Fact Log* (recording at least 30 minutes a week of new multiplication activities: card games, computer or tablet websites/Apps, flashcards, ...) and then reminding your child to bring the material to school in September. We also encourage your child to practice the other basic operations, addition, subtraction, and division to retain those skills.

Due Dates:

Multiplication Fact Log, signed and return by **Friday, September 9, 2016**.
Summer Math Masters, completed by **Friday, September 16, 2016**.

Please share some learning time with your child this summer by setting aside time each week to help your child practice the multiplication tables.

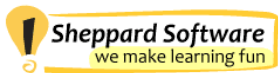













Sincerely,
The Carleton School Math Department

1 X	2 X	3 X	4 X	5 X
1x1=1	2x1=2	3x1=3	4x1=4	5x1=5
1x2=2	2x2=4	3x2=6	4x2=8	5x2=10
1x3=3	2x3=6	3x3=9	4x3=12	5x3=15
1x4=4	2x4=8	3x4=12	4x4=16	5x4=20
1x5=5	2x5=10	3x5=15	4x5=20	5x5=25
1x6=6	2x6=12	3x6=18	4x6=24	5x6=30
1x7=7	2x7=14	3x7=21	4x7=28	5x7=35
1x8=8	2x8=16	3x8=24	4x8=32	5x8=40
1x9=9	2x9=18	3x9=27	4x9=36	5x9=45
1x10=10	2x10=20	3x10=30	4x10=40	5x10=50
1x11=11	2x11=22	3x11=33	4x11=44	5x11=55
1x12=12	2x12=24	3x12=36	4x12=48	5x12=60

6 X	7 X	8 X	9 X	10 X
6x1=6	7x1=7	8x1=8	9x1=9	10x1=10
6x2=12	7x2=14	8x2=16	9x2=18	10x2=20
6x3=18	7x3=21	8x3=24	9x3=27	10x3=30
6x4=24	7x4=28	8x4=32	9x4=36	10x4=40
6x5=30	7x5=35	8x5=40	9x5=45	10x5=50
6x6=36	7x6=42	8x6=48	9x6=54	10x6=60
6x7=42	7x7=49	8x7=56	9x7=63	10x7=70
6x8=48	7x8=56	8x8=64	9x8=72	10x8=80
6x9=54	7x9=63	8x9=72	9x9=81	10x9=90
6x10=60	7x10=70	8x10=80	9x10=90	10x10=100
6x11=66	7x11=77	8x11=88	9x11=99	10x11=110
6x12=72	7x12=84	8x12=96	9x12=108	10x12=120

Multiplication Facts

Suggested free sites and/or limited use

 http://www.sheppardsoftware.com	 http://www.mathplayground.com/index.html
 http://www.uen.org/3-6interactives/math.shtml	 http://www.aplusmath.com/Games/index.html
 http://resources.oswego.org/games/	 https://xtramath.org/#/home/index
 http://www.multiplication.com/games/all_games	 http://gregtangmath.com
 http://www.mathgametime.com/	 http://www.aplusmath.com/Games/index.html
 http://resources.woodlands-junior.kent.sch.uk/maths/index.html	 https://www.sumdog.com
 http://www.math-play.com/4th-grade-math-games.html http://www.math-play.com/5th-grade-math-games.html	 http://www.internet4classrooms.com/skill_builders/multiplication_math_fourth_4th_grade.htm http://www.internet4classrooms.com/skill_builders/multiplication_division_math_fifth_5th_grade.htm

★ An adult will need to activate a free account to obtain student access information.

Have fun and challenge yourself!

Suggested Apps to Explore: (some Apps have a charge*)

Addition & Multiplication Number Bubbles	Math Matrix HD
Cloud Math	Pick-a-Path
Conundra Math	PopMath
Fast Math and Challenge HD	Quick Math Game*
iEstimation	Splash Math
iTooch Math (grade level)	Sumdog
Math Flash Cards	Sushi Monster
Mathical	24 Game*