

Incoming 5th Grade Students,

Congratulations on completing Fourth Grade! We know you have worked hard this year to deepen your understanding and learn new concepts in mathematics. While you enjoy your summer break, we still need you to retain this valuable information.

Summer Slide is a way to describe that tragic loss of knowledge that occurs during the long, summer break. The expression “use it or lose it” is so true! In an effort to prevent you from experiencing the Summer Slide, we have generated some activities that will help you practice your facts during the summer break. These are age/grade level appropriate, but you can certainly use other websites, games, tutors, etc. as well.

In August, students will be given one/more tests to assess their depth of math knowledge. We hope that by practicing with short, fun activities throughout the summer break, you will be prepared to:

1. perform with confidence and competency on your mathematics assessments
2. be ready to learn your new Grade 5 mathematics curriculum on Day One

Have a super summer and don't forget to practice...Students return to school on **Monday, August 12th!**

Mathematically Yours,
Your School District of Palm Beach
County Mathematics Curriculum Team

Websites to Practice Basic Facts

Toy Theater

<http://www.toytheater.com>

Click on *Math* to find the math skill games.

Math Playground

<http://www.mathplayground.com>

Click on *CCSS Math*, then your current grade level to find math skill games.

Johnnie's Math Page

<http://www.jmathpage.com>

Click on *Number* to find math skill games.

PBS Kids

<http://www.pbskids.org>

Under More Topics, click *22 More Topics*, then choose *Math Games* to find math skill practice.

Fun Brain

<http://www.funbrain.com>

Click on *Math Arcade* to find math skill games.

Sheppard Software

<http://www.sheppardsoftware.com>

Click on *Math Games* to find math practice games.

Multiplication.com

<http://www.multiplication.com>

Click *All Games*, then choose the group of facts or mixed practice set to use throughout the games.

Math is Fun

<http://www.mathisfun.com>

Click any topic that you wish to explore. Have fun!

Math Games

<http://www.math-games.org>

Scroll down to select a game. Each game has a brief description so you can choose a game that helps practice a set of facts/skill you find difficult.

Arcademics

<http://www.arcademics.com>

Choose any game to practice the set of facts/skills you find challenging.

Summer Mathematics Skills**Week 1**

	Factor × Factor	Product
1.	$6 \times 3 =$	18
2.	$6 \times 4 =$	24
3.	$6 \times 5 =$	30
4.	$6 \times 6 =$	36
5.	$6 \times 7 =$	42
6.	$6 \times 8 =$	48
7.	$6 \times 9 =$	54
8.	$6 \times 12 =$	72
9.	$5 \times 6 =$	30
10.	$5 \times 7 =$	35
11.	$5 \times 8 =$	40
12.	$5 \times 9 =$	45
13.	$5 \times 10 =$	50
14.	$5 \times 11 =$	55
15.	$5 \times 12 =$	60

Summer Mathematics Skills**Week 2**

	Factor × Factor	Product
1.	$7 \times 3 =$	21
2.	$7 \times 4 =$	28
3.	$7 \times 5 =$	35
4.	$7 \times 6 =$	42
5.	$7 \times 7 =$	49
6.	$7 \times 8 =$	56
7.	$7 \times 9 =$	63
8.	$7 \times 12 =$	84
9.	$4 \times 3 =$	12
10.	$4 \times 4 =$	16
11.	$4 \times 6 =$	24
12.	$4 \times 7 =$	28
13.	$4 \times 8 =$	32
14.	$4 \times 9 =$	36
15.	$4 \times 12 =$	48

Summer Mathematics Skills**Week 3**

	Factor × Factor	Product
1.	$8 \times 2 =$	16
2.	$8 \times 3 =$	24
3.	$8 \times 4 =$	32
4.	$8 \times 5 =$	40
5.	$8 \times 6 =$	48
6.	$8 \times 7 =$	56
7.	$8 \times 8 =$	64
8.	$8 \times 9 =$	72
9.	$8 \times 12 =$	96
10.	$3 \times 12 =$	36
11.	$3 \times 9 =$	27
12.	$3 \times 8 =$	24
13.	$3 \times 7 =$	21
14.	$3 \times 6 =$	18
15.	$3 \times 5 =$	15

Summer Mathematics Skills**Week 4**

	Factor × Factor	Product
1.	$10 \times 10 =$	100
2.	$10 \times 11 =$	110
3.	$10 \times 12 =$	120
4.	$11 \times 12 =$	132
5.	$11 \times 11 =$	121
6.	$12 \times 2 =$	24
7.	$12 \times 3 =$	36
8.	$12 \times 4 =$	48
9.	$12 \times 5 =$	60
10.	$12 \times 6 =$	72
11.	$12 \times 7 =$	84
12.	$12 \times 8 =$	96
13.	$12 \times 9 =$	108
14.	$12 \times 11 =$	132
15.	$12 \times 12 =$	144

Summer Fluency Practice
Week 2

Make flashcards on index cards.

Write problems on one side in marker and the answers on the back in pencil. (So you cannot read it through the card, and just in case you make a mistake.)

Write fact families for each number sentence on notebook paper.

There should be 2 multiplication and 2 division facts...unless both factors are the same.

Have someone give you a quiz.

It can be written on paper, or orally. If you miss any, write them 5 times to help you remember it for later.

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Week 1

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Play Flashcard War

Divide your cards into 2 piles. Each player turns over a card, then says their answer out loud. The player with the highest number takes both cards.

Continue playing until one player has ownership of all cards.

Write or say each number sentence
10 times each.

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Summer Mathematics Skills

Week 5

	Dividend ÷ Divisor	Quotient
1.	$144 \div 12 =$	12
2.	$121 \div 11 =$	11
3.	$100 \div 10 =$	10
4.	$81 \div 9 =$	9
5.	$64 \div 8 =$	8
6.	$49 \div 7 =$	7
7.	$36 \div 6 =$	6
8.	$25 \div 5 =$	5
9.	$16 \div 4 =$	4
10.	$9 \div 3 =$	3
11.	$4 \div 2 =$	2
12.	$56 \div 8 =$	7
13.	$48 \div 6 =$	8
14.	$42 \div 7 =$	6
15.	$132 \div 11 =$	12

Summer Mathematics Skills

Week 6

	Factor × Factor	Product
1.	$9 \times 1 =$	09
2.	$9 \times 2 =$	18
3.	$9 \times 3 =$	27
4.	$9 \times 4 =$	36
5.	$9 \times 5 =$	45
6.	$9 \times 6 =$	54
7.	$9 \times 7 =$	63
8.	$9 \times 8 =$	72
9.	$9 \times 9 =$	81
10.	$9 \times 10 =$	90

- Do you see a pattern with the tens and ones in the answer column?
- Do you know the “hands trick” to SEE multiples of nine on your hands?
- Do you see “partners” in the products?

Summer Mathematics Skills

Week 7

Mixed Practice

1.	$11 \times 12 =$	132
2.	$24 \div 4 =$	6
3.	$2 \times 8 =$	16
4.	$18 \div 2 =$	9
5.	$12 \times 7 =$	84
6.	$21 \div 3 =$	7
7.	$6 \times 5 =$	30
8.	$28 \div 7 =$	4
9.	$12 \times 10 =$	120
10.	$27 \div 3 =$	9
11.	$10 \times 11 =$	110
12.	$24 \div 2 =$	12
13.	$8 \times 12 =$	96
14.	$63 \div 9 =$	7
15.	$5 \times 7 =$	35

Summer Mathematics Skills

Week 8

Mixed Practice

1.	$6 \div 0 =$	0
2.	$7 \div 1 =$	7
3.	$8 \times 2 =$	16
4.	$9 \times 3 =$	27
5.	$40 \div 4 =$	10
6.	$11 \times 5 =$	55
7.	$72 \div 6 =$	12
8.	$2 \times 7 =$	14
9.	$24 \div 8 =$	3
10.	$4 \times 9 =$	36
11.	$50 \div 10 =$	5
12.	$6 \times 11 =$	66
13.	$84 \div 12 =$	7
14.	$12 \times 9 =$	108
15.	$132 \div 12 =$	11

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