



# Hartford Magnet Trinity College Academy



## 2016 Summer Math Assignment Incoming 6<sup>th</sup> Grade

Dear Students and Families,

To keep your math skills honed over the summer, we ask families to devote some of their summer to doing things that involve math. All students are required to complete the assignment included in this packet: a writing prompt which provides students an opportunity to share their thoughts and feelings about math with their new math teacher. Students should treat this as their first homework assignment of the year.

Students should return the completed math assignment to their math teacher by Friday, September 2, 2016.

In addition, families are encouraged to find ways to focus on the use of math in their daily lives. Play family games involving math, provide opportunities to have students work on math activities on internet sites and involve students in computing discounts and sales tax when you do your back to school shopping. (A detailed list of suggestions is included in this packet.)

**Students entering sixth grade should have a strong understanding and solid knowledge of the multiplication facts. Students should be able to pass the enclosed multiplication assessment in 3 minutes or less.**

Students who have trouble recalling the multiplication facts (at least through the ten's table, preferably through the twelve's table) should devise a plan to commit the facts to memory over the summer. Checkout the websites listed on the back for some suggestions for resources that can be used. Alternatively, flashcards can be purchased and used for practice.

Please contact Mrs. Jagielski via email at [gomer002@hartfordschools.org](mailto:gomer002@hartfordschools.org) if you have any questions about the summer assignments. Remember, do some math all summer long!

Sincerely,

Sally A. Biggs  
Principal

- My child knows the multiplication facts and is confident he/she can pass the multiplication assessment upon returning to school in the fall.
- My child struggles with the multiplication facts and he/she practiced the facts regularly throughout the summer.

\_\_\_\_\_  
Parent Name (printed)

\_\_\_\_\_  
Parent Signature

Name \_\_\_\_\_ Advisory \_\_\_\_\_

**Part 1** Respond to the questions below. The purpose of this assignment is for you to tell your new math teacher how you feel about math!

1) Which sentence best describe how you feel about math?

- a) Math is my **favorite** subject.
- b) Math is just an okay subject, not my favorite, not my least favorite.
- c) Math is my **least** favorite subject.

2) Are there math topics that you are good at? (i.e. multiplication facts, fractions, decimals, geometry)

Are there math activities you especially enjoy? (i.e. teacher explanation, practice, manipulatives) Explain.

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3) Are there math topics that you find difficult? (i.e. multiplication facts, fractions, decimals, geometry)

Are there math activities that you struggle with? (i.e. teacher explanation, practice, manipulatives)

Explain. \_\_\_\_\_

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4) If math is your **favorite** subject, what makes it your favorite subject? If math is your **least** favorite

subject, what makes it your least favorite subject? Be specific! \_\_\_\_\_

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5) On a scale of 1 to 10, 1 being not good and 10 being perfect: How well do I know my multiplication facts?

1      2      3      4      5      6      7      8      9      10

The multiplication facts that I need to work on are: \_\_\_\_\_

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Name \_\_\_\_\_ Advisory \_\_\_\_\_

**Part 2** Can you complete the multiplication problems accurately on this sheet in 3 minutes or less? If not, check out one of the websites that offers practice with multiplication facts and schedule some practice regularly throughout the summer.

$8 \times 8 = \underline{\quad}$

$7 \times 8 = \underline{\quad}$

$4 \times 4 = \underline{\quad}$

$8 \times 9 = \underline{\quad}$

$6 \times 9 = \underline{\quad}$

$9 \times 4 = \underline{\quad}$

$9 \times 7 = \underline{\quad}$

$9 \times 9 = \underline{\quad}$

$7 \times 9 = \underline{\quad}$

$7 \times 4 = \underline{\quad}$

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$7 \times 6 = \underline{\quad}$

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$7 \times 9 = \underline{\quad}$

$7 \times 7 = \underline{\quad}$

$8 \times 9 = \underline{\quad}$

I can complete this multiplication quiz in \_\_\_\_\_ minutes.

Play games that involve math – the whole family can play! If you're playing a family game, have your student do the math necessary to determine the score.

Games that involve math either during play or in computing scores include Battleship, Cribbage, Equate, Math 24 Game, Quirkle, Scrabble, S'math and Yahtzee.

Games that involve logical reasoning and strategizing include Backgammon, Blokus, Chess, Dominoes, Gobblet, Mancala, Mastermind and Othello.

This list is not exhaustive; ask at your local toy store for other suggestions.



While shopping have your student estimate the bill before the cashier finishes ringing up your order. If you are taking advantage of a sale, have your student use the advertised percentage to figure the discount or sale price. If you go out to eat at a restaurant, have your child figure out the tip.



If your household has access to the internet, please use the list of approved web sites below to help your student practice skills or find challenge problems to solve. If computer access is not available at home, we suggest utilizing your local library.

<http://www.aplusmath.com>

This site offers interactive flashcards, games, a homework helper, and help on advanced math problems.

<http://www.multiplication.com>

This site offers activities, games, and worksheets to help teach the multiplication facts.

<http://www.mathplayground.com/>

This site gives students a chance to practice their math skills, play a logic games and have some fun while doing it.

<http://www.figurethis.org>

This site offers some challenge problems, as well as useful information for parents interested in how to help their students with math.

<http://www.mathsisfun.com>

This site is covers basic math skills.

<http://www.shodor.org/interactivate/activities/>

These activities allow for exploration of concepts from middle school mathematics. A java-capable browser is required.

<http://nlvm.usu.edu/en/nav/vlibrary.html>

These interactive manipulatives allow for exploration and practice on a wide range of topics ranging from Pre-K through high school. The site can be viewed in Spanish.

