



## **Summer Math Reinforcement Packet**

### **Students Entering into 6th Grade**

**Dear Parents and Students,**

Our fifth graders had a busy year learning new math skills. Mastery of all these skills is extremely important in order to develop a solid math foundation. The sixth grade math program will add onto these fifth grade skills, so any time spent learning or reinforcing these concepts will be very beneficial for your child. Each year builds upon the previous year's skills in math. Any areas your child has difficulty, you may want to give them additional practice. Student mastery of the basic math skills is as important to success in future mathematical procedures and reasoning as learning the alphabet is to reading and writing.

Have your child complete at least one page (one side), three times a week of the math packet. Please return this completed packet in September to your sixth grade teacher. Remember this packet will be your first Math grade of the school year, so make sure you do your best and complete it with effort!

In addition, after you have completed the math problems and you feel you need more practice on a certain concept, you can visit some of the web sites listed on the next page. You can also make up problems of your own for additional practice.

If you have any questions, need anything, or just want to say hi you can email me over the summer [Enuez@steliznyc.org](mailto:Enuez@steliznyc.org) or [classdojo](http://classdojo.com).

Enjoy your summer!!

**Reminder - Practicing multiplication (up to 12) facts are VERY important!**

Best,

Mrs. Nuez

**Excellent websites for fun learning and reinforcement of math skills:**

[www.multiplication.com](http://www.multiplication.com)

[www.khanacademy.org](http://www.khanacademy.org)

[www.spalshmath.com](http://www.spalshmath.com)

[www.coolmath-games.com/](http://www.coolmath-games.com/)

[www.wildmath.com](http://www.wildmath.com) Select “Play the game”. Select addition, subtraction or multiplication and grade. You can race to beat your time.

[www.harcourtschool.com](http://www.harcourtschool.com) Click the red box, select math, select HSPMath, select New York, click on the “4” ball or “5” ball for a challenge. Select a game.

[www.aplusmath.com](http://www.aplusmath.com) Go under “Flashcards” or “Game Room” on the left side of the screen. You can practice adding, subtracting and multiplying. Very important to know the addition, subtraction and multiplication facts from memorization or within a couple seconds.

[www.mathisfun.com](http://www.mathisfun.com) Select numbers then Math Trainer for adding, subtracting and multiplication. Or at the home screen select games and pick a game to play.

[www.eduplace.com](http://www.eduplace.com) Select your state – “New York” press submit. Select the student tab then click on the “mathematics” rectangle. Click in the center book “Houghton Mifflin Math 2007”, Click on “Grade 4”. Select any games. Extra Help and Extra Practice is good, also eGames.

[www.illuminations.nctm.org](http://www.illuminations.nctm.org) Select activities then select grade level. Click on Search.

[www.aaamath.com](http://www.aaamath.com) At the top pick “Fourth” or “Fifth” for a challenge. Choose any of the activities like multiplication then select “play” option toward the top of the screen. 20 Questions and Countdown games are good ones.

[www.funbrain.com](http://www.funbrain.com) Lots of fun games to choose from.

**Other games and activities you can play:**

- Take a deck of cards and remove the face cards (kings, queens, jacks). Aces are one. Divide the cards evenly among 2 players. Each player flips over a card. The first one to add the 2 numbers correctly the fastest wins the cards. After going through the pile of cards, the player with the most cards wins. You can do a multiplication version also.

## NBT Mix

<p>1</p> <p>Write in standard form: five and six tenths</p>	<p>2</p> <p><math>10^5 =</math></p>	<p>3</p> <p>Round 34.767 to the nearest whole number.</p>
<p>4</p> <p>1 equals 10 to what power?</p>	<p>5</p> <p>Compare. Use <math>&gt;</math>, <math>&lt;</math> or <math>=</math>.</p> <p><math>6.7 \bigcirc 6.70</math></p>	<p>6</p> <p>Compare. Use <math>&gt;</math>, <math>&lt;</math> or <math>=</math>.</p> <p><math>6.7 \bigcirc 6.07</math></p>
<p>7</p> <p><math>5.67 + 2.33 =</math></p>	<p>8</p> <p><math>6 - 3.59 =</math></p>	<p>9</p> <p><math>5.32 \times 7 =</math></p>

## NBT Mix

<p>1</p> <p>The 6 in 4.65 is worth what compared to the 6 in 4.065?</p>	<p>2</p> <p>An eight in the hundreds place is worth what compared to an eight in the tens place?</p>	<p>3</p> <p>What happens to the value of a number as you move to the right?</p>
<p>4</p> <p>What happens to the value of a number as you move to the left?</p>	<p>5</p> $56 + 23.334 =$	<p>6</p> $5.6 - 4.711 =$
<p>7</p> $8.1 \div 9 =$	<p>8</p> $8.1 \div 0.9 =$	<p>9</p> $0.0081 \div 0.009 =$

## NBT Mix

<p>1 <math>10^3 \times 7 =</math></p>	<p>2 <math>10 \times 10 \times 6 =</math></p>	<p>3 One billion is 10 to what power?</p>
<p>4 Johnny needs \$50 to buy a favorite game. He has \$30.01. How much more does he have to save?</p>	<p>5 Gabrielle spent \$9.63 and bought three of the same item. How much was each item?</p>	<p>6 Ty scored 3.23 on the first game and 4.45 on the second game. What was his total score?</p>
<p>7 Ted 5.67 Fred 6.57 Compare the 6 in Ted's and Fred's scores.</p>	<p>8 To what place is 45.16 rounded to?</p>	<p>9 <math>8 \times 6.1 =</math></p>

## NBT Mix

1 $67 \times 5 =$	2 $765 \div 5 =$	3 $876 \div 11 =$
4 $9.8 + 7.95 + 4.44 =$	5 $8 \times 888 =$	6 $22 \times 22 =$

## OA Mix

1 $8 \times 3 + 4 =$	2 $13 - 2 \times 6 =$	3 $10 \times 6 - 45 =$
4 $9 + 9 - 9 - 9 =$	5 What do you do first? $9 + 5 \times 4$	6 What do you do first? $8 \times 3 + 6$

NF 1

<sup>1</sup> $2/3 + 1/5 =$	<sup>2</sup> $1/4 + 1/16 =$	<sup>3</sup> $4/9 + 1/3 =$
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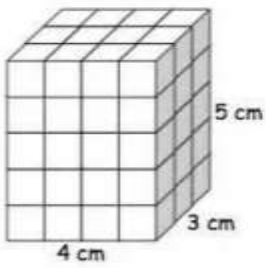
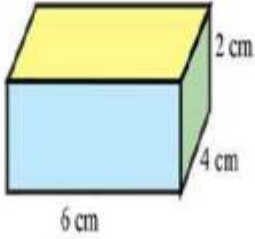
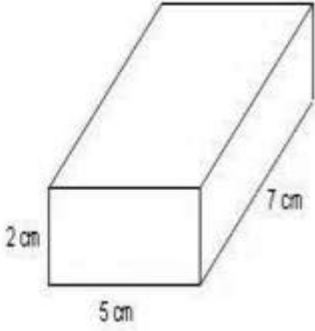
<sup>1</sup> $1 \frac{2}{9} + 3 \frac{7}{18} =$	<sup>2</sup> $5 \frac{1}{2} + 2 \frac{3}{8} =$	<sup>3</sup> $2 \frac{1}{5} + 2 \frac{5}{10} =$
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<sup>1</sup> $15/16 - 3/4 =$	<sup>2</sup> $7/8 - 1/2 =$	<sup>3</sup> $9/10 - 3/5 =$
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<p>1 Cris has 20 fish. <math>\frac{1}{4}</math> of the fish are goldfish. How many goldfish is this?</p>	<p>2 Bobby has 30 marbles. <math>\frac{2}{3}</math> of the marbles are green. How many green marbles does he have?</p>	<p>3 Jimmy had \$50. He spent <math>\frac{1}{2}</math> of it on food. How much did he spend on food?</p>
<p>4 1 <math>\frac{2}{3} \times \frac{4}{5}</math></p>	<p>5 2 <math>\frac{1}{4} \times \frac{5}{7} =</math></p>	<p>6 3 <math>\frac{1}{2} \times 8 =</math></p>

<p>4 Lonnie had 3 sets of problems for homework. He divided each set into 2 smaller sets. How many smaller sets did he have?</p>	<p>5 <math>11 \div \frac{1}{3} =</math></p>	<p>6 Three pirates found <math>\frac{1}{2}</math> of the treasure from a chest. They split it evenly. How much did each pirate get?</p>
<p>7 <math>\frac{1}{3} \div 6 =</math></p>	<p>8 <math>\frac{1}{5} \div 4 =</math></p>	<p>9 <math>\frac{1}{9} \div 8 =</math></p>

<p>1 Find the volume.</p> 	<p>2 Find the volume.</p> 	<p>3 Find the volume.</p> 
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### MD Mix

1 5 qt = ____ pt	2 6 cm = ____ mm	3 6 T = _____ lbs.
4 2,000 mL = ____ L	5 19 yd = ____ ft	6 A cube has a volume of 64 cu. ft. How long is each side?

### Day 34: G 3

1 Triangles are named by their _____ and _____.	2 What makes a right triangle a right triangle?	3 What makes an obtuse triangle an obtuse triangle?
4 A triangle with two congruent sides is what kind of triangle?	5 A triangle with three congruent sides is what kind of triangle?	6 Every triangle has to have at least how many acute angles?