

June 2021

Dear Parents/Guardians,

To enhance student success in math class in the upcoming school year, I am asking your help in completing the summer math packet. Math is a cumulative discipline where each course builds upon previously learned concepts. Therefore, it is necessary to continually review and refine these skills.

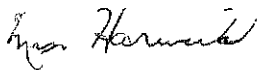
Students are being asked to complete the packet by the beginning of the school year. This is a required assignment and will be graded on accuracy and completion. I strongly recommend developing a plan to complete the packet periodically throughout the summer months, rather than waiting until the last week of the summer to complete it in its entirety.

This math packet will be posted on the school website. Please join me as I work to ensure your child's mathematical success. Thank you for your assistance in this worthwhile endeavor.

I am looking forward to a great school year!

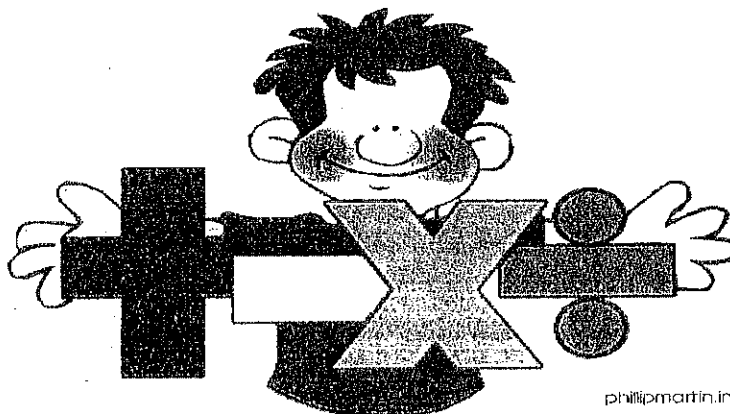
Have a wonderful summer!

Kind Regards,



Mrs. Harwick

6th and 7th Grade Math Teacher



Useful Websites

www.tenmarks.com/login/user

www.khanacademy.org/math/

www.mathisfun.com

www.coolmath.org

www.mathgoodies.com

www.purplemath.com/modules/index.htm

Having trouble with any of the above problems?

You can find a few informative videos on the following topics. When you get to each concept, select the appropriate video from the list in the right hand column.

Decimal Operations

<https://www.khanacademy.org/math/arithmetic/decimals>

Fractions Operations

<https://www.khanacademy.org/math/pre-algebra/fractions-pre-alg>

Factors, GCF, LCD, and LCM

<https://www.khanacademy.org/math/pre-algebra/factors-multiples>

Order of Operations and Distributive Property

<https://www.khanacademy.org/math/pre-algebra/order-of-operations>

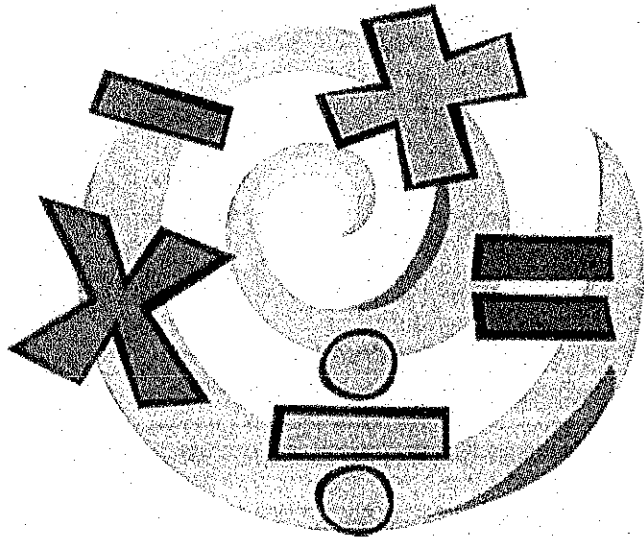
Evaluating and Translating Expressions

<https://www.khanacademy.org/math/algebra/introduction-to-algebra>

Solving Equations

<https://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities>

Incoming 7th Grade Summer Math Packet



Mrs. Harwick
(Grade 6 and 7 Math Teacher)

Student Name _____

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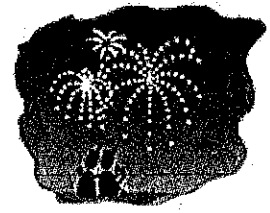


Summer Math Packet for Incoming 7th Grade
Week 1



<p>Day 1- Basic Skills <i>Simply the following fractions</i></p> <p>1. $\frac{12}{20} =$</p> <p>2. $\frac{6}{27} =$</p> <p>3. $\frac{12}{18} =$</p>	<p>Day 2 -Operations with Decimals</p> <p>1. $5 + 7.84 + 28.062$</p> <p>2. $503 + 236.408 + 2.898$</p>
<p>Day 3 -Operations with Fractions <i>Add the following fractions. Remember to use common denominators.</i></p> <p>1. $\frac{1}{4} + \frac{3}{8} =$</p> <p>2. $\frac{7}{9} + \frac{5}{6} =$</p>	<p>Day 4 - Expressions <i>Evaluate</i></p> <p>1. $150 + n$ if $n = 15$</p> <p>2. $30n$ if $n = 2.5$</p> <p>3. $5n + 3$ if $n = 4$</p>
<p>Day 5 - Solving Equations</p> <p>1. $x + 9 = 18$</p> <p>2. $n + 3.5 = 10.5$</p>	<p>Day 6 - Potpourri Exponents <i>Write each expression in exponential form</i></p> <p>1. $8 \cdot 8 \cdot 8 =$</p> <p>2. $6 \cdot 6 \cdot 6 \cdot 6 \cdot 6 =$</p> <p>3. $4 \cdot 4 \cdot 4 \cdot 4 =$</p>

Week 2



<p>Day 1 -Basic Skills <i>Find the equivalent fraction for each</i></p> <p>1. $\frac{3}{8} = \frac{\quad}{48}$</p> <p>2. $\frac{2}{5} = \frac{\quad}{20}$</p> <p>3. $\frac{1}{6} = \frac{\quad}{30}$</p>	<p>Day 2 -Operations with Decimals</p> <p>1. 215 - 204.8</p> <p>2. 100 - 21.05 - 0.074</p>
<p>Day 3 -Operations with Fractions <i>Subtract the following fractions. Remember to use common denominators.</i></p> <p>1. $\frac{7}{8} - \frac{3}{6} =$</p> <p>2. $\frac{3}{4} - \frac{1}{5} =$</p>	<p>Day 4 - Expressions <i>Evaluate</i></p> <p>1. $12n$ if $n=9$</p> <p>2. $3n+2$ if $n=5$</p> <p>3. $4n \div k$ if $n=6$ and $k=8$</p>
<p>Day 5 - Solving Equations</p> <p>1. $x - 4 = 12$</p> <p>2. $n - 5.4 = 8.5$</p>	<p>Day 6 - Potpourri Exponents <i>Write each expression as repeated multiplication and find each value</i></p> <p>1. $2^5 =$</p> <p>2. $3^4 =$</p> <p>3. $5^3 =$</p>

Week 3



<p>Day 1 - Basic Skills <i>Order the following from least to greatest</i></p> <p>1. 2.17, 2.3, $2\frac{1}{8}$</p> <p>2. 0.2, 0.02, $\frac{1}{4}$</p>	<p>Day 2 - Operations with Decimals</p> <p>1. $7.32 \cdot 4.6$</p> <p>2. $1.36 \cdot 0.08$</p>
<p>Day 3 - Operations with Fractions</p> <p>1. $\frac{3}{8} \cdot \frac{5}{6} =$</p> <p>2. $3\frac{1}{2} \cdot \frac{7}{10} =$</p>	<p>Day 4 - Expressions <i>Translate each phrase to an expression</i></p> <p>1. a number minus 7</p> <p>2. the difference of two and a number</p> <p>3. the sum of a number and twenty-two</p>
<p>Day 5 - Solving Equations</p> <p>1. $2x = 12$</p> <p>2. $5n = 3.5$</p>	<p>Day 6 - Potpourri Order of Operations <i>Simplify each expression</i></p> <p>1. $4^2 + 48 \div (10 - 4)$</p> <p>2. $50 \div 5^2 + 7 \cdot 3$</p>

Week 4



<p>Day 1 - Basic Skills <i>What is the reciprocal of each of the following</i></p> <ol style="list-style-type: none">1. $\frac{5}{6}$2. 83. $2\frac{1}{3}$	<p>Day 2 - Operations with Decimals</p> <ol style="list-style-type: none">1. $6.48 \div 0.36$2. $27.9 \div 6.2$
<p>Day 3 - Operations with Fractions</p> <ol style="list-style-type: none">1. $\frac{2}{5} \div \frac{14}{15} =$2. $\frac{7}{8} \div \frac{1}{2} =$	<p>Day 4 - Expressions <i>Translate each phrase to an expression</i></p> <ol style="list-style-type: none">1. three more than n2. the product of fourteen and g3. the quotient of n and 5
<p>Day 5 - Solving Equations</p> <ol style="list-style-type: none">1. $\frac{x}{4} = 5$2. $\frac{n}{3} = 3.3$	<p>Day 6 - Potpourri Order of Operations <i>Simplify each expression</i></p> <ol style="list-style-type: none">1. $7 + 24 \div 6 \cdot 2$2. $5 \cdot (28 \div 7) - 4^2$

Week 5



Day 1 - Basic Skills

Write the following fractions as decimals

1. $\frac{3}{4}$

2. $\frac{2}{5}$

3. $\frac{7}{20}$

Day 2 - Operations with Decimals

1. $11.49 + 0.083 =$

2. $84.34 - 67.235 =$

Day 3 - Operations with Fractions

1. $4\frac{2}{3} - 2\frac{1}{9} =$

2. $1\frac{7}{10} + 3\frac{3}{4} =$

Day 4 - Expressions

Expand each expression by using the distributive property

1. $2(x + 3)$

2. $4(2 + n)$

Day 5 - Solving Equations

1. $2x + 4 = 10$

2. $3x + 5 = 11$

Day 6 - Potpourri

Find the GCF for each set

1. 24 and 108

2. 45, 18, and 39

