BRIDGEPORT PUBLIC SCHOOLS MATHEMATICS DEPARTMENT



MATHEMATICS SUMMER PACKETS

End of Grade 6 Entering Grade 7

STUDENT NAME:

SCHOOL:

rev. 4/25/25

Dear Future 7th Grader,

Success in 7th Grade Mathematics begins with a solid foundation in the skills and concepts you learned in 6th Grade and elementary school. These are essential for understanding new topics and solving both mathematical and real-world problems.

This summer, we encourage you to review and strengthen these foundational skills. The provided packet includes key practice problems and links to online resources. Work on a few problems each day, use the resources if needed, and don't hesitate to seek help from friends, family, or additional tools.

Your completed packet is due when you return in August. Teachers will review these prerequisite skills and assess your understanding early in the school year. Learning math is like building a house—strong foundations are critical for growth. Strengthening these basics now will set you up for success.

We hope you not only excel in math but also enjoy discovering its beauty. Have a wonderful summer, and come back in the fall ready to aim high and believe in your potential!

Summer Math Packet for Incoming 7th Grade



Day 1- Basic Skills	Day 2 -Operations with Decimals
Simply the following fractions 1. $\frac{12}{20}$ =	1. 5 + 7.84 + 28.062
2. $\frac{6}{27}$ =	2. 503 + 236.408 + 2.898
3. $\frac{12}{18} =$	
Day 3 -Operations with Fractions	
Add the following fractions. Remember to use common denominators. 1. $\frac{1}{4} + \frac{3}{8} =$	<i>Evaluate</i> 1. 150 + n if n = 15
2. $\frac{7}{9} + \frac{5}{6} =$	2. 30n if n = 2.5
	3. 5n + 3 if n = 4
Day 5 - Solving Equations	Day 6 - Potpourri Exponents
1. x + 9 = 18	Write each expression in exponential form 1. 8 • 8 • 8 =
2. n + 3.5 = 10.5	2.6 • 6 • 6 • 6 • 6 =
	3. 4 • 4 • 4 • 4 =



Day 1 -Basic Skills Find the equivalent fraction for each	Day 2 -Operations with Decimals
	1. 215 - 204.8
1. $\frac{3}{8} = \frac{1}{48}$	
2. $\frac{2}{5} = \frac{1}{20}$	2. 100 - 21.05 - 0.074
3. $\frac{1}{6} = \frac{1}{30}$	
Day 3 -Operations with Fractions	
Subtract the following fractions. Remember to use common denominators.	Evaluate 1. 12n if n = 9
1. $\frac{7}{8} - \frac{3}{6} =$	1. 12/1 1) 11 - 9
	2. 3n+2 if n=5
2. $\frac{3}{4} - \frac{1}{5} =$	3. 4n÷k if n=6 and k=8
Day 5 - Solving Equations	Day 6 - Potpourri
1 1 12	Exponents
1. x - 4 = 12	Write each expression as repeated multiplication and find each value
	1. 2 ⁵ =
2. n - 5.4 = 8.5	2. 3 ⁴ =
	3. 5 ³ =
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Day 1 – Basic Skills	Day 2 -Operations with Decimals
Order the following from least to greatest	1. 7.32 · 4.6
1. 2.17, 2.3, $2\frac{1}{8}$	
2. 0.2, 0.02, $\frac{1}{4}$	2. 1.36 · 0.08
Day 3 -Operations with Fractions	Day 4 - Expressions
	Translate each phrase to an expression
1. $\frac{3}{8} \cdot \frac{5}{6} =$	1. a number minus 7
	2. the difference of two and a number
2. $3\frac{1}{2} \cdot \frac{7}{10} =$	3. the sum of a number and twenty-two
Day 5 - Solving Equations	Day 6 - Potpourri Orden of Openations
1. 2X = 12	Order of Operations
	Simplify each expression 1. $4^2 + 48 \div (10 - 4)$
2. 5n = 3.5	
	2. $50 \div 5^2 + 7 \cdot 3$



Day 1 - Basic Skills What is the reciprocal of each of the	Day 2 -Operations with Decimals
following	1. 6.48 ÷ 0.36
1. $\frac{5}{6}$	
2. 8	2. 27.9 ÷ 6.2
3. $2\frac{1}{3}$	
Day 3 -Operations with Fractions	Day 4 - Expressions
2 14	Translate each phrase to an expression
1. $\frac{2}{5} \div \frac{14}{15} =$	 three more than n the product of fourteen and g
2. $\frac{7}{8} \div \frac{1}{2} =$	 The product of rour reen and g The quotient of n and 5
Day 5 - Solving Equations	Day 6 – Potpourri
	Order of Operations
1. $\frac{x}{4} = 5$	Simplify each expression
	1. 7 + 24 ÷ 6 • 2
2. $\frac{n}{3} = 3.3$	2. 5 · (28 ÷ 7) - 4 ²

Day 2 -Operations with Decimals
1. 11.49 + 0.083 =
2. 84.34 - 67.235 =
Day 4 - Expressions
Expand each expression by using the distributive property 1. 2(x + 3)
2. 4(2 + n)
Day 6 - Potpourri Find the GCF for each set
1. 24 and 108
2. 45, 18, and 39

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Day 1 – Basic Skills Write each improper fraction as a mixed	Day 2 -Operations with Decimals	te
number and each mixed number as an improper fraction.	1. 5.23 · 3.2 =	P
1. $\frac{39}{4}$ 2. $\frac{26}{7}$. 4
5 3	2. 5.13 ÷ 27 =	
3. $7\frac{5}{6}$ 4. $6\frac{3}{8}$		
Day 3 -Operations with Fractions	Day 4 - Expressions Expand the expressions using the	
1. $2\frac{1}{4} \cdot 2\frac{2}{3} =$	distributive property 1. 4 (2 + 3x)	
2. $3\frac{1}{8} \cdot 1\frac{1}{4} =$	2. 5 (4 + 6x)	
Day 5 - Solving Equations	Day 6 - Potpourri	
1. x + 2x + 3 = 15	Write the prime factorization of each number	
	36 54	
2. $x + 6\frac{2}{3} = 11$		

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