

Summer Packet For Incoming 6th Graders

Word List 2010-2011

TERMS SHOULD BE IN THE FIRST SECTION OF YOUR MATHEMATICS BINDER.

Chapter One Terms

(Due On The first Day Of Class)

Variable	x- coordinate
exponent	expanded form
Multiple	factor tree
Divisible	adding like fractions
Integers	y-coordinate
Origin	y- axis
Ordered pair	x- axis
Evaluate	adding unlike fractions
Quadrants	Coordinate Plane
Variable expression	opposites
Subtracting like fractions	subtracting unlike fractions
Mixed number	prime numbers
Common multiple	composite number
Order of operations	
Greatest common factor	least common denominator

Mathematics Binder

Your binder should be at least a two inches with five divider tabs

1. Sections one – math prayer and mission
2. Section two- vocabulary words

3. Sections three- work from the summer math packet
4. Section four – Do Now/ Daily notetaking guide
5. Section five- notes

Prayer Before Mathematic Class

Heavenly father, fill us with the wonder and knowledge of the universe as we study mathematics- a reflection of your mind. Grant us the strength to be consistently positive thinkers, the courage to persist in changing all negative thought into positive actions , and the faith to center our lives on Jesus, Your Son, the root of our salvation. Amen

Consistency + Persistency = Success

St. Joseph

St. Augustine

Name _____

Date _____
(Answer ID # 0731086)

Mixed Review

Write each number in standard form.

1. $(5 \times 10^6) + (4 \times 10^5) + (9 \times 10^3) + (8 \times 10^2) + (2 \times 10^1) + (8 \times 10^0)$	2. $(3 \times 100) + (7 \times 1)$
3. four hundred forty million, six hundred thirty-two thousand, six hundred ninety-nine	4. fifty-five million, two hundred thirty-eight thousand, six hundred thirty-eight
5. $(6 \times 100,000) + (3 \times 10,000) + (5 \times 1,000) + (5 \times 100) + (2 \times 10) + (4 \times 1)$	6. 1 ten million 3 millions 5 hundred thousands 7 ten thousands 7 hundreds 1 ten 3 ones

Write the place and the value of the underlined digit.

7. 92, <u>7</u> 87	8. 5,638, <u>2</u> 91	9. <u>8</u> 62	10. 802, <u>3</u> 0 <u>3</u>
11. 7, <u>4</u> 03	12. <u>5</u> 8,373	13. 7,8 <u>6</u> 0,780	14. <u>4</u> ,105

Write each number in two other ways.

15. four thousand, six hundred ten	16. 5,291
17. $500,000 + 60,000 + 8,000 + 60$	18. twenty-nine thousand, eighty-three

Write each number in standard form.

19. 1 one 3 tens 7 hundred thousands 2 thousands 8 ten thousands 1 hundred 3 millions	20. $7,000 + 90 + 900$
21. eight thousand, six hundred nine	22. $90 + 200 + 4$
23. four hundred thirty-one million, eight hundred forty-two thousand, four	24. six million, one hundred twenty-six thousand, nine hundred thirty-eight

Name _____

Date _____
(Answer ID # 0534152)

Mixed Review

Write each improper fraction as a mixed number in simplest form.

1. $\frac{9}{6}$	2. $\frac{47}{9}$	3. $\frac{31}{5}$	4. $\frac{53}{12}$
5. $\frac{42}{11}$	6. $\frac{5}{2}$	7. $\frac{48}{10}$	8. $\frac{121}{18}$

Fill in the missing number.

9. $\frac{7}{\square} = \frac{14}{26}$	10. $\frac{\square}{4} = \frac{8}{32}$	11. $\frac{55}{132} = \frac{5}{\square}$
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Divide. Write the answer in simplest form.

12. $\frac{2}{7} \div \frac{1}{3}$	13. $\frac{3}{13} \div \frac{5}{19}$	14. $\frac{4}{5} \div \frac{1}{4}$
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Multiply. Write the answer in simplest form.

15. $14 \cdot \frac{3}{5}$	16. $3 \cdot \frac{6}{12}$	17. $15 \cdot \frac{4}{13}$
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Name _____

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(Answer ID # 0438759)

Mixed Review

Complete.

1.	$\begin{array}{r} 6.3 \\ - 4.5 \\ \hline \end{array}$	2.	$\begin{array}{r} 17.6 \\ + 8.6 \\ \hline \end{array}$	3.	$\begin{array}{r} 8.1 \\ + 31.1 \\ \hline \end{array}$	4.	$\begin{array}{r} 7.8 \\ - 6.8 \\ \hline \end{array}$	5.	$\begin{array}{r} 48.5 \\ + 6.5 \\ \hline \end{array}$
6.	$\begin{array}{r} 8.8 \\ - 2.4 \\ \hline \end{array}$	7.	$\begin{array}{r} 8.4 \\ - 5.7 \\ \hline \end{array}$	8.	$\begin{array}{r} 39.8 \\ + 12.7 \\ \hline \end{array}$	9.	$\begin{array}{r} 88.4 \\ - 9.4 \\ \hline \end{array}$	10.	$\begin{array}{r} 96.8 \\ + 2.7 \\ \hline \end{array}$

Complete.

11.	$\begin{array}{r} \$36.87 \\ + 84.01 \\ \hline \end{array}$	12.	$\begin{array}{r} \$4.07 \\ - 2.09 \\ \hline \end{array}$	13.	$\begin{array}{r} \$52.57 \\ + 3.37 \\ \hline \end{array}$	14.	$\begin{array}{r} \$30.52 \\ - 6.13 \\ \hline \end{array}$	15.	$\begin{array}{r} \$80.01 \\ - 5.71 \\ \hline \end{array}$
16.	$\begin{array}{r} \$40.46 \\ + 16.02 \\ \hline \end{array}$	17.	$\begin{array}{r} \$34.08 \\ + 1.01 \\ \hline \end{array}$	18.	$\begin{array}{r} \$91.63 \\ - 56.25 \\ \hline \end{array}$	19.	$\begin{array}{r} \$3.78 \\ + 7.73 \\ \hline \end{array}$	20.	$\begin{array}{r} \$6.08 \\ - 1.06 \\ \hline \end{array}$

Fill in the missing operations.

21.	$56.10 \square 16 \square 2.32 = 74.42$ Use the operations: + and +
22.	$(6 \square 1.3) \square (24.78 \square 2.4) = 27.08$ Use the operations: +, -, and -

Name _____

Date _____
(Answer ID # 0890301)

Mixed Review

Complete.

1. 47 mi 1,237 yd + 46 mi 139 yd	2. 95 gal 2 qt - 51 gal 3 qt
3. 48 lb 4 oz - 37 lb 5 oz	4. 80 yd 1 ft + 90 yd 2 ft

Convert each quantity to the given units.

5. 336 in = _____ ft	6. 5 mi = _____ in	7. 34,000 lb = _____ T
8. 30 qt = _____ pt	9. 144 oz = _____ lb	10. 54 c = _____ pt
11. 25 yd = _____ in	12. 25 T = _____ oz	13. 12 c = _____ qt

Complete.

14. 175,000,000 mL = _____ kL	15. 0.06 cL = _____ mL
16. 726 kL = _____ cL	17. 81 cL = _____ L
18. 189,000 mL = _____ L	19. 905 kL = _____ mL

Complete the unit conversions.

20. 16 quarts to cups 16 qt • $\frac{\text{cups}}{\text{qt}}$ = _____ cups	21. 19 days to hours 19 days • $\frac{\text{hours}}{\text{days}}$ = _____ hours
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Name _____

Date _____
(Answer ID # 0445667)

Mixed Review

Write each percent as a decimal.

1. 0.1%	2. 848%	3. 69.7%
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Complete. Round your answer to the nearest tenth.

4. What percent of 400 is 288?	5. What number is 80% of 225?
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Write each decimal as a percent.

6. 0.6	7. 0.588	8. 0.9030
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Write each fraction as a percent. Round to the nearest hundredth of a percent.

9. $\frac{3}{5}$	10. $\frac{9}{10}$	11. $\frac{11}{20}$	12. $\frac{6}{7}$
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Name _____



Date _____
(Answer ID # 0663968)

Mixed Review

Complete.

<p>1.</p> <p>Name a pair of adjacent angles.</p>	<p>2.</p> <p>Name a pair of vertical angles.</p>	<p>3.</p> <p>Name a pair of complementary angles.</p>
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Complete.

<p>4.</p> <p>Name a pair of supplementary angles.</p>	<p>5.</p> <p>Name a pair of vertical angles.</p>	<p>6.</p> <p>Name a pair of adjacent angles.</p>
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Find the measure of the angle.

<p>7.</p> <p>$\overleftrightarrow{CB} \parallel \overleftrightarrow{DU}$ $m\angle UQM =$ _____ $m\angle PQU = 104^\circ$</p>	<p>8.</p> <p>$\overleftrightarrow{FG} \parallel \overleftrightarrow{SJ}$ $m\angle FVX =$ _____ $m\angle FVK = 116^\circ$</p>	<p>9.</p> <p>$\overleftrightarrow{KS} \parallel \overleftrightarrow{ZD}$ $m\angle EXZ =$ _____ $m\angle EXD = 106^\circ$</p>
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Name _____

Date _____
(Answer ID # 0411872)

Mixed Review

Complete.

1. $1 \times 4 \times 6 \times 8$	2. $(3 \times 5) \times (7 \times 2 \times 9)$
3. $9 \times (5 \times 7)$	4. $(2 \times 1) \times (8 \times 3)$
5. $4 \times 6 \times 5$	6. $6 \times (1 \times 3 \times 7 \times 4)$

Complete.

7. $\begin{array}{r} 85 \\ \times 7 \\ \hline \end{array}$	8. $\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$	9. $\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$	10. $\begin{array}{r} 64 \\ \times 1 \\ \hline \end{array}$	11. $\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$
12. $\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$	13. $\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	14. $\begin{array}{r} 44 \\ \times 7 \\ \hline \end{array}$	15. $\begin{array}{r} 36 \\ \times 3 \\ \hline \end{array}$	16. $\begin{array}{r} 55 \\ \times 8 \\ \hline \end{array}$

Complete.

17. 7×7	18. 69×6	19. 6×4
20. 2×5	21. 4×3	22. 8×1
23. 5×2	24. 85×8	25. 77×8

Name _____

Date _____
(Answer ID # 0111347)

Mixed Review

Put the integers in order from least to greatest.

- | |
|---|
| 1. -4, -6, 4, 9, 12, 19, 10, -15, -18, 3, 6 |
| 2. -55, 39, -65, 63, 49, 3, -8, -39, -31 |
| 3. -12, 5, 11, 9, -16, 10, 14, 18 |
| 4. -11, 5, -3, -9, 12, -8, -13, 10, 6, -7 |

Complete.

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| 5. Professor Bloop has another one of his insane experiments in progress. He is designing a machine to remove the shells from hard-boiled eggs all in one piece. He makes a voltage measurement at terminal 23B on his machine and finds it is at -7.1 volts. "Amazing!" he exclaims. "That is exactly half the voltage I measured yesterday before I put in a larger flubister!" What voltage did he measure on terminal 23B yesterday before he changed the flubister? | 6. Which product is closer to zero, the product of $(58)(-141)$, or the product of $(-79)(-54)$? |
|--|--|

Complete.

- | | |
|--|--------------------------------------|
| 7. $138 \div -15$ | 8. $12.6 \times -13.5 - -24 \div 12$ |
| 9. $11 \times 2^3 + -21 + -109.52 \div 14.8$ | 10. $4^3 + -6.8 \times 19$ |
| 11. $4^3 + 38 - -8.2$ | 12. 13.5×-9 |

Fill in the missing negative signs to complete each equation.

13. $\underline{\quad}98 \div \underline{\quad}7 + \underline{\quad}43 + \underline{\quad}10 - \underline{\quad}23 = -62$
14. $\underline{\quad}18 \div \underline{\quad}6 = -3$
15. $\underline{\quad}20 \times \underline{\quad}30 - \underline{\quad}1 - \underline{\quad}24 = -575$

Name _____

Date _____
(Answer ID # 0517461)

Order of Operations

Complete.

1. $12 + 29 - 12$	2. $29 - 1 + 30 \times 5 + 5$
3. $10 - 45 \div 9$	4. $45 \div (7 + 8)$
5. $6 \div 3 + 5 + 35 - 13 + 20$	6. $37 + 15 + 126 \div 9$
7. $23 \times 27 - 4$	8. $120 \div 12 - 5 + 16$
9. $35 + 22 - 3 + 49$	10. $2 + 4 \times 33$
11. $27 \div 3 + 36$	12. $108 \div 6 - 13 + 12$
13. $26 - 36 + 9 \times 4 + 34$	14. $36 + 35 - 12$
15. $18 \div 6 + 4$	16. $44 \div (9 + 2)$
17. $43 \times 7 + 21 \div 3$	18. $280 \div 35 - 6$
19. $(44 - 532 \div 38) + (30 - 23 + 32)$	20. $35 \div 7 + 2$
21. $104 \div (4 + 9) + 46 + 32 \times 42$	22. $29 - 8 + 32 - 19$
23. $44 + 21 \times 38$	24. $20 \times 14 - 17 + 35 \div 7$
25. $21 + 135 \div 15$	26. $34 - 27 + 15 \div 3$
27. $46 + 44 - 42 \times 2$	28. $47 - 32 \div 8$
29. $44 - 14 + 37$	30. $8 + 282 \div 47$

Name _____

Date _____
(Answer ID # 0927893)

Mixed Review

Complete each divisibility table. Write **yes** if the number is divisible by the given number. Write **no** if it is not divisible by the given number.

1. 884 by 3 _____ by 4 _____ by 5 _____ by 7 _____ by 8 _____	2. 140 by 2 _____ by 6 _____ by 7 _____ by 8 _____ by 9 _____	3. 8,503 by 2 _____ by 3 _____ by 6 _____ by 9 _____ by 13 _____	4. 85,856 by 3 _____ by 8 _____ by 10 _____ by 11 _____ by 13 _____
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Find the prime factorization of each number.

5. 40	6. 28	7. 54	8. 19
9. 66	10. 77	11. 90	12. 51
13. 56	14. 29	15. 43	16. 36

Find the least common multiple.

17. 3 and 13	18. 8 and 13	19. 2, 10, and 14
20. 6 and 12	21. 4, 12, and 16	22. 6 and 15
23. 20 and 28	24. 3, 10, and 12	25. 6 and 9

Find the greatest common factor of each set of numbers.

26. 48 and 36	27. 85 and 55	28. 75 and 45
29. 5 and 10	30. 78, 6, and 14	31. 72, 36, and 54
32. 59 and 58	33. 11 and 31	34. 7, 77, and 63