

Name _____

Date _____

Summer Math 2010

Completed 5th grade – Entering 6th grade

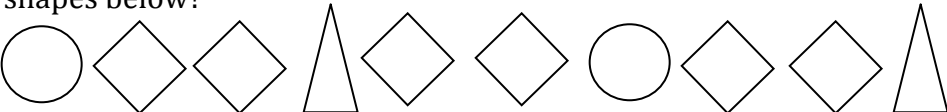
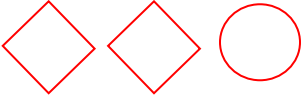
Every problem from **each** worksheet is to be completed with **all work shown** from the problems on a separate piece of paper or on the front or back of the worksheets. Answers should be written in the corresponding box. These worksheets are due the first day of school in math class. This will be the first quiz grade for the new school year. The grade will be based completion along with the work shown for the problems.

Solutions are included so that your student may check his/her work after completing the problems. Your child may work through the problems until the correct solution is found, being sure to show all of the correct work along with this solution.

Section 1**Patterns**

Problems:

Answers:

1.	You are a member of a summer movie club at your local movie theater. The club meets every Wednesday in July to watch a movie. If the first meeting is on July 5, on what other dates in July will the club meet?	1. July 12, July 19, July 26
2.	Describe the following pattern: 3, 10, 17, 24, ... Then write the next three numbers.	2. Add 7 31,38,45
3.	Describe the following pattern: 4, 20, 100, 500, ... Then write the next three numbers.	3. Multiply by 5 2,500 12,500 62,500
4.	What are the next three shapes that should be put in the row of shapes below? 	4. 
5.	Write the first four numbers in the pattern <i>start with 4 and repeatedly add 8.</i>	5. 4, 12, 20, 28

Section 2

Problems:

Answers:

1.	Round 7.623 to the nearest tenth.	1. 7.6
2.	Round 3.354 to the nearest tenth.	2. 3.4
3.	Round 2.742 to the nearest hundredth.	3. 2.74
4.	Round 1.539 to the nearest hundredth.	4. 1.54

5.	Complete the statement using $<$, $>$, or $=$. $3.34 \underline{\quad?} 3.24$	5. $>$
6.	Complete the statement using $<$, $>$, or $=$. $2.36 \underline{\quad?} 2.67$	6. $<$
7.	Order 3.15, 3.28, 3.06, 3, and 3.1 from least to greatest.	7. 3, 3.06, 3.1, 3.15, 3.28
8.	Order 6.15, 6.3, 6.2, 6.05, and 6.25 from least to greatest.	8. 6.05, 6.15, 6.2, 6.25

Section 3

Whole Numbers and Decimals

Problems:

Answers:

1.	Add. $105 + 3046$	1. 3,151
2.	Add. $2,848 + 5,620 + 8,012$	2. 16,480
3.	Subtract. $653 - 48$	3. 605
4.	Subtract. $8,000 - 5672$	4. 2,328
5.	Multiply. 659×72	5. 47,448
6.	Multiply. 5280×91	6. 480,480
7.	Divide. $366 \div 6$	7. 61
8.	Divide. $1725 \div 69$	8. 25
9.	Add. $7.08 + 10.74$	9. 17.82
10.	Add. $3.328 + 11.78$	10. 15.108

11.	Add. $2 + 12.32$	11. 14.32
12.	Subtract. $2.8 - 2.28$	12. 0.52
13.	Subtract. $9.5 - 5.4$	13. 4.1
14.	Find the difference. $7 - 2.91$	14. 4.09
15.	Find the product. 6.30×0.26	15. 1.638
16.	Find the product. 0.83×1.9	16. 1.577
17.	Find the product. 62.23×85	17. 5,289.55
18.	Find the quotient. $9 \div 1.8$	18. 5
19.	Find the quotient. $9.5 \div 1.9$	19. 5
20.	Find the quotient. $0.060 \div 1.2$	20. 0.05
21.	A rectangular park about 6.2 miles long and about 0.3 mile wide. What is the area of the park?	21. 1.86 mi^2
22.	For your birthday you receive a \$25 gift certificate. You want to buy 3 used video games whose prices are \$10.79, \$6.20, and \$6.92. Can you buy all 3 games using the gift certificate?	22. Yes
23.	You buy a pack of 8 trading cards for \$6.16. Find the price of each card.	23. \$0.77

Section 4

Fractions

Problems:

Answers:

1.	Write $4\frac{9}{11}$ as an improper fraction.	1. $\frac{53}{11}$
2.	Write $6\frac{13}{15}$ as an improper fraction.	2. $\frac{103}{15}$
3.	Write $3\frac{7}{9}$ as an improper fraction.	3. $\frac{34}{9}$
4.	Write $\frac{7}{3}$ as a mixed number.	4. $2\frac{1}{3}$
5.	Write $\frac{22}{5}$ as a mixed number.	5. $4\frac{2}{5}$
6.	Write $\frac{23}{9}$ as a mixed number.	6. $2\frac{5}{9}$
7.	Write the fraction $\frac{6}{12}$ in simplest form.	7. $\frac{1}{2}$
8.	Write the fraction $\frac{15}{24}$ in simplest form.	8. $\frac{5}{8}$
9.	Find the sum. Simply if possible. $\frac{2}{6} + \frac{3}{6} =$	9. $\frac{5}{6}$
10.	Find the sum. Simply if possible. $\frac{2}{18} + \frac{3}{18} =$	10. $\frac{5}{18}$
11.	Find the difference. Simply if possible. $\frac{7}{8} - \frac{5}{8} =$	11. $\frac{1}{4}$
12.	Find the difference. Simply if possible. $\frac{5}{10} - \frac{2}{10} =$	12. $\frac{3}{10}$
13.	Find the sum. Simply if possible. $\frac{9}{10} + \frac{8}{9} =$	13. $1\frac{71}{90}$
14.	Find the sum. Simply if possible. $\frac{3}{4} + \frac{2}{3} =$	14. $1\frac{5}{12}$

15.	Find the difference. Simplify if possible. $\frac{13}{36} - \frac{1}{9}$	15. $\frac{1}{4}$
16.	Find the difference. Simplify if possible. $\frac{4}{5} - \frac{3}{7}$	16. $\frac{13}{35}$
17.	Find the sum. Simplify if possible. $8\frac{6}{21} + 1\frac{2}{21}$	17. $9\frac{8}{21}$
18.	Find the sum. Simplify if possible. $2\frac{7}{8} + 3\frac{5}{6}$	18. $6\frac{17}{24}$
19.	Find the difference. Simplify if possible. $7\frac{3}{4} - 6\frac{1}{4}$	19. $1\frac{1}{2}$
20.	Find the difference. Simplify if possible. $3\frac{5}{6} - 2\frac{3}{4}$	20. $1\frac{1}{12}$
21.	Find the difference. Simplify if possible. $7 - 2\frac{2}{3}$	21. $4\frac{1}{3}$
22.	Find the product. Simplify if possible. $\frac{3}{5} \cdot \frac{1}{2}$	22. $\frac{3}{10}$
23.	Find the product. Simplify if possible. $\frac{2}{3} \cdot \frac{3}{4}$	23. $\frac{1}{2}$
24.	Find the product. Simplify if possible. $5\frac{1}{2} \cdot 4\frac{1}{4}$	24. $46\frac{3}{4}$
25.	Find the quotient. Simplify if possible. $\frac{1}{2} \div \frac{1}{4}$	25. 2
26.	Find the quotient. Simplify if possible. $3 \div \frac{1}{6}$	26. 18

Section 5

Factors and Multiples

Problems:

Answers:

1.	List all of the factors of 24.	1. 1, 2, 3, 4, 6, 8, 12, 24
2.	List all of the factors of 19.	2. 1, 19
3.	Tell whether the number 24 is prime or composite.	3. composite
4.	Tell whether the number 19 is prime or composite.	4. prime

Section 6

Place Value

Problems:

Answers:

1.	Name the place value of the underlined digit. 82. <u>3</u> 95	1. hundredths
2.	Name the place value of the underlined digit. 0. <u>7</u> 84	2. tenths
3.	Name the place value of the underlined digit. 9 <u>4</u> 6,207	3. ten-thousands
4.	Name the place value of the underlined digit. 5 <u>7</u> ,862	4. thousands
5.	Write the number in standard form. twenty-six million, seven hundred fifty thousand, six hundred thirty-four.	5. 26,750,634