

June 2011

Dear Parents,

The following Math packet provides you with problems to practice during the summer. Ongoing Math practice helps students retain concepts better, and allows for a better transition into the next school year. The packet will be collected on the first day of school and will be counted as the first test grade of the 2011-2012 school year. If the packet is not turned in the student will receive a grade of a ZERO.

All students are expected to complete this packet by themselves. They are **NOT** to work on this packet in groups. Students should not procrastinate to complete this assignment. They should complete the packet piece by piece throughout the summer. Good luck and I hope you all have a wonderful summer.

If there are any questions do not hesitate to ask.

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Richard Barnes
4th and 5th Grade Math Teacher.

Entering 5th Grade Summer Math Packet

Name: _____ 5th Grade Teacher: _____

Select the one best answer for each question. **DO NOT** use a calculator in completing this packet.

1. Which of the following sets of numbers are **all** of the factors of 24?
A. 1, 3, 8, 24
B. 2, 4, 6, 8, 12, 24
C. 2, 3, 4, 6, 8, 12
D. 1, 2, 3, 4, 6, 8, 12, 24
2. Which of the following numbers is a multiple of 8?
A. 18
B. 28
C. 44
D. 56
3. The following are all multiples of a one-digit number: 12, 24, 30, 42.
A. 5
B. 6
C. 7
D. 8
4. Which number is a multiple of 3?
A. 83
B. 84
C. 85
D. 86
5. Which of the following set of numbers are all multiples of 7?
A. 35, 47, 52
B. 35, 36, 37
C. 35, 42, 49
D. 37, 47, 57
6. Which of the following is **NOT** true about prime numbers?
A. They have exactly two factors
B. One is a factor of every prime number
C. No prime numbers end in zero
D. All prime numbers are odd numbers
7. Which set does **NOT** contain any multiples of 4?
A. {24, 36, 42, 54}
B. {12, 15, 20, 24}
C. {8, 16, 24, 34}

D. {6, 10, 14, 18}

8. I am a factor of 36 and a multiple of 3. What number am I?

- A. 2
- B. 4
- C. 12
- D. 15

9. Since $4 \times 10 = 40$, and $40 \times 5 = 200$, then which of the following is true?

- A. $14 \times 45 = 200$
- B. $4 \times 10 \times 5 = 200$
- C. $4 \times 10 \times 40 = 200$
- D. $40 \times 10 \times 5 = 200$

10. My number is a multiple of 5. It is less than 100 and has a factor of 6. What is my number?

- A. 25
- B. 60
- C. 36
- D. 66

11. Solve $136 - 67$.

- A. 61
- B. 69
- C. 71
- D. 79

12. Solve $206 - 48$.

- A. 158
- B. 242
- C. 162
- D. 262

13. Which expression is equal to 3×49 ?

- A. $3 \times (4 + 9)$
- B. $3 + (40 \times 9)$
- C. $3 \times (40 + 9)$
- D. $(3 \times 4) + (3 \times 9)$

14. Which has the same value as 57×4 ?

- A. $(50 \times 4) + (7 \times 4)$
- B. $(50 + 5) + 2$
- C. $(50 \times 5) + 2$
- D. $(50 \times 4) + 7$

15. Which expression is equal to 83×5 ?

- A. $80 \times (3 + 5)$
- B. $(80 \times 5) + (3 \times 5)$
- C. $(5 \times 80) + 3$
- D. $(80 \times 5) + ((80 \times 3))$

16. What is 1486 divided by 3? Show your work.

- A. 4,812 r0
- B. 495 r1
- C. 280 r10
- D. 496 r0

17. What is 2520 divide by 10? Show your work.

- A. 25,200
- B. 2,520
- C. 253
- D. 252

18. What is the value of this expression? $420 \div 4$

- A. 15
- B. 100
- C. 105
- D. 150

19. There are 168 lunches to be shared equally among 3 fourth-grade classes. How many lunches will go to each class?

- A. 56
- B. 165
- C. 171
- D. 504

20. What is the value of this expression? $3750 \div 10$

- A. 370
- B. 375
- C. 3740
- D. 37500

21. Which math problem can be checked using $3 \times 6 = 18$?

- A. $18 \times 3 = \underline{\hspace{2cm}}$
- B. $18 + 3 = \underline{\hspace{2cm}}$
- C. $18 \div 3 = \underline{\hspace{2cm}}$
- D. $18 - 3 = \underline{\hspace{2cm}}$

22. The students in your class collected pop cans to raise money for a class trip. The goal for each student was to collect 150 cans each. There are 27 students in your class. How many cans would that be altogether?

- A. 177 cans
- B. 405 cans
- C. 1350 cans
- D. 4050 cans

23. Suppose 33 photos are placed in a photo album. How many pages are needed if 3 photos fit on a page? Show your work.

- A. 9 pages
- B. 10 pages
- C. 11 pages
- D. 12 pages

24. Which answer means the same as \$12.49?

- A. One and two forty nines
- B. Twelve and forty nine
- C. Twelve and forty nine tens
- D. Twelve and forty nine hundredths

25. Mr. Clark was given some change at the grocery store. He was given 5 one dollar bills, 6 quarters, 2 dimes and a penny. How much change did he get?

- A. \$5.62
- B. \$6.71
- C. \$56.21
- D. \$6.21

Write the name of the place value of the underlined digit

26. 8. 2

27. 146

28. 356,896

29. 34.125

30. 189.75

Solve.

31. $93 - 23.2 =$

32. 24.7×3.9

33. $1.78 \times 2.3 =$

34. $14.93 + 31.782 + 22.47 =$

35. $45.00 - 16.82 =$

Find the GCF for the following numbers

36. 18, 32 37. 4, 3

38. 5, 11 39. 6, 9

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43. Write the following fractions in decimal form. Remember: . tenths hundredths

$$\begin{array}{l} 4/10 = \underline{\hspace{2cm}} \quad 8/10 = \underline{\hspace{2cm}} \quad 23/100 = \underline{\hspace{2cm}} \quad 56/100 = \underline{\hspace{2cm}} \\ 8/100 = \underline{\hspace{2cm}} \quad 5/10 = \underline{\hspace{2cm}} \quad 66/100 = \underline{\hspace{2cm}} \quad 2/10 = \underline{\hspace{2cm}} \end{array}$$

44. Which number is the same as .5?

- A. One half
- B. 5/1
- C. Five hundredths
- D. 5/1000

45. How is eighteen hundredths written in standard form?

- A. 0.018
- B. 0.18
- C. 18.00
- D. 1800

Solve each of these without using a calculator:

$$4 \times 6 = \underline{\quad} \quad 8 \times 8 = \underline{\quad} \quad 6 \times 6 = \underline{\quad}$$

$$2 \times 9 = \underline{\quad} \quad 5 \times 5 = \underline{\quad} \quad 9 \times 6 = \underline{\quad}$$

$$8 \times 5 = \underline{\quad} \quad 2 \times 2 = \underline{\quad} \quad 3 \times 4 = \underline{\quad}$$

$$32 \div 4 = \underline{\quad} \quad 7 \times 7 = \underline{\quad} \quad 56 \div 7 = \underline{\quad}$$

$$72 \div 9 = \underline{\quad} \quad 18 \div 2 = \underline{\quad} \quad 3 \times 8 = \underline{\quad}$$

$$45 \div 9 = \underline{\quad} \quad 4 \times 4 = \underline{\quad} \quad 8 \times 7 = \underline{\quad}$$

$$24 \div 3 = \underline{\quad} \quad 3 \times 3 = \underline{\quad} \quad 3 \times 8 = \underline{\quad}$$

46-50 Simplify Each Fraction.

46. $\frac{2}{8}$
 47. $\frac{5}{15}$
 48. $\frac{9}{27}$
 49. $\frac{10}{50}$
 50. $\frac{6}{18}$

Find the Quotient.

$$81 \div 9 = \underline{\quad} \quad 48 \div 6 = \underline{\quad} \quad 18 \div 6 = \underline{\quad} \quad 42 \div 7 = \underline{\quad}$$

$$10 \div 2 = \underline{\quad} \quad 54 \div 6 = \underline{\quad} \quad 36 \div 9 = \underline{\quad} \quad 45 \div 5 = \underline{\quad}$$

$$72 \div 8 = \underline{\quad} \quad 8 \div 2 = \underline{\quad} \quad 72 \div 9 = \underline{\quad} \quad 6 \div 1 = \underline{\quad}$$

$$25 \div 5 = \underline{\quad} \quad 5 \div 5 = \underline{\quad} \quad 18 \div 2 = \underline{\quad} \quad 30 \div 5 = \underline{\quad}$$

$$12 \div 6 = \underline{\quad} \quad 4 \div 1 = \underline{\quad} \quad 48 \div 8 = \underline{\quad} \quad 7 \div 7 = \underline{\quad}$$

Solve the following problems.51-54

$$\frac{8}{12} + \frac{1}{4} = \quad \quad \frac{3}{4} + \frac{2}{4} = \quad \quad \frac{3}{4} - \frac{2}{4} = \quad \quad \frac{8}{12} - \frac{1}{4} =$$

55. Laura wrote 200 words on the first page of her journal. After the second page, she had 400 words. If the pattern continues, how many pages will it take her to write 1000 words? Continue to fill in the table to find the answer.

Page Number	Words	Total words
1	200	200
2	200	400
3		
4		
5		
6		
7		

- A. 3
- B. 4
- C. 5
- D. 6

56. Answer the following questions using this set of data. { 2, 2, 3, 5, 10, 10, 10}
What is the median?

- A. 5
- B. 6
- C. 7
- D. 8

57. What is the mode?

- A. 2
- B. 5
- C. 8
- D. 10

58. What is the range?

- A. 5
- B. 6
- C. 8
- D. 10

59. Answer the following questions using this set of data.

8 11 18 11 20 9

What is the median?

- A. 8
- B. 9
- C. 11
- D. 20

60. What is the range?

- A. 8
- B. 12
- C. 18
- D. 20

61. What is the mode?

- A. 8
- B. 9
- C. 11
- D. 15

62. $135 + 479 =$

63. $487 - 298 =$

64. $985 + 863 =$

65. $13.25 - 9.35 =$

Times Tables									
1 2 <u>x 5</u>	2 6 <u>x 2</u>	3 3 <u>x 6</u>	4 7 <u>x 3</u>	5 4 <u>x 8</u>	6 9 <u>x 4</u>	7 6 <u>x 7</u>	8 8 <u>x 6</u>	9 9 <u>x 9</u>	10 1 <u>x 9</u>
11 4 <u>x 2</u>	12 2 <u>x 7</u>	13 5 <u>x 3</u>	14 3 <u>x 8</u>	15 7 <u>x 4</u>	16 5 <u>x 5</u>	17 6 <u>x 6</u>	18 6 <u>x 9</u>	19 9 <u>x 8</u>	20 7 <u>x 0</u>
21 2 <u>x 3</u>	22 8 <u>x 2</u>	23 3 <u>x 4</u>	24 9 <u>x 3</u>	25 4 <u>x 6</u>	26 6 <u>x 5</u>	27 5 <u>x 9</u>	28 7 <u>x 7</u>	29 8 <u>x 8</u>	30 8 <u>x 1</u>
31 2 <u>x 2</u>	32 2 <u>x 9</u>	33 3 <u>x 3</u>	34 4 <u>x 4</u>	35 5 <u>x 4</u>	36 5 <u>x 7</u>	37 8 <u>x 5</u>	38 7 <u>x 8</u>	39 9 <u>x 7</u>	40 1 <u>x 7</u>
41 7 <u>x 7</u>	42 9 <u>x 6</u>	43 4 <u>x 7</u>	44 6 <u>x 4</u>	45 2 <u>x 8</u>	46 2 <u>x 7</u>	47 4 <u>x 1</u>	48 1 <u>x 3</u>	49 1 <u>x 0</u>	50 9 <u>x 9</u>
51 8 <u>x 7</u>	52 6 <u>x 8</u>	53 8 <u>x 4</u>	54 4 <u>x 5</u>	55 9 <u>x 2</u>	56 6 <u>x 2</u>	57 1 <u>x 5</u>	58 2 <u>x 1</u>	59 0 <u>x 2</u>	60 5 <u>x 8</u>
61 7 <u>x 9</u>	62 6 <u>x 7</u>	63 4 <u>x 9</u>	64 4 <u>x 4</u>	65 3 <u>x 3</u>	66 5 <u>x 2</u>	67 6 <u>x 1</u>	68 1 <u>x 1</u>	69 3 <u>x 0</u>	70 7 <u>x 5</u>
71 8 <u>x 8</u>	72 6 <u>x 6</u>	73 5 <u>x 5</u>	74 3 <u>x 9</u>	75 4 <u>x 3</u>	76 2 <u>x 4</u>	77 1 <u>x 7</u>	78 9 <u>x 0</u>	79 0 <u>x 4</u>	80 3 <u>x 7</u>
81 8 <u>x 9</u>	82 9 <u>x 5</u>	83 5 <u>x 6</u>	84 8 <u>x 3</u>	85 3 <u>x 5</u>	86 3 <u>x 2</u>	87 8 <u>x 1</u>	88 0 <u>x 8</u>	89 5 <u>x 0</u>	90 6 <u>x 3</u>

Times Tables Test

1 9 <u>x 9</u>	2 6 <u>x 8</u>	3 7 <u>x 6</u>	4 4 <u>x 9</u>	5 8 <u>x 4</u>	6 3 <u>x 7</u>	7 6 <u>x 3</u>	8 2 <u>x 6</u>	9 5 <u>x 2</u>	10 5 <u>x 1</u>
11 8 <u>x 9</u>	12 9 <u>x 6</u>	13 6 <u>x 6</u>	14 5 <u>x 5</u>	15 4 <u>x 7</u>	16 8 <u>x 3</u>	17 3 <u>x 5</u>	18 7 <u>x 2</u>	19 2 <u>x 4</u>	20 0 <u>x 6</u>
21 8 <u>x 8</u>	22 7 <u>x 7</u>	23 9 <u>x 5</u>	24 5 <u>x 6</u>	25 6 <u>x 4</u>	26 3 <u>x 9</u>	27 4 <u>x 3</u>	28 2 <u>x 8</u>	29 3 <u>x 2</u>	30 7 <u>x 0</u>
31 9 <u>x 7</u>	32 8 <u>x 7</u>	33 5 <u>x 8</u>	34 7 <u>x 5</u>	35 4 <u>x 5</u>	36 4 <u>x 4</u>	37 3 <u>x 3</u>	38 9 <u>x 2</u>	39 2 <u>x 2</u>	40 9 <u>x 1</u>
41 7 <u>x 7</u>	42 6 <u>x 9</u>	43 7 <u>x 4</u>	44 4 <u>x 6</u>	45 8 <u>x 2</u>	46 2 <u>x 7</u>	47 1 <u>x 4</u>	48 3 <u>x 1</u>	49 0 <u>x 1</u>	50 3 <u>x 6</u>
51 7 <u>x 8</u>	52 8 <u>x 6</u>	53 4 <u>x 8</u>	54 5 <u>x 4</u>	55 2 <u>x 9</u>	56 6 <u>x 2</u>	57 5 <u>x 1</u>	58 1 <u>x 2</u>	59 2 <u>x 0</u>	60 7 <u>x 3</u>
61 9 <u>x 7</u>	62 6 <u>x 7</u>	63 9 <u>x 4</u>	64 4 <u>x 4</u>	65 3 <u>x 3</u>	66 2 <u>x 5</u>	67 1 <u>x 6</u>	68 1 <u>x 1</u>	69 0 <u>x 3</u>	70 5 <u>x 7</u>
71 8 <u>x 8</u>	72 6 <u>x 6</u>	73 5 <u>x 5</u>	74 9 <u>x 3</u>	75 3 <u>x 4</u>	76 4 <u>x 2</u>	77 7 <u>x 1</u>	78 0 <u>x 9</u>	79 4 <u>x 0</u>	80 8 <u>x 5</u>
81 9 <u>x 8</u>	82 5 <u>x 9</u>	83 6 <u>x 5</u>	84 3 <u>x 8</u>	85 5 <u>x 3</u>	86 2 <u>x 3</u>	87 1 <u>x 8</u>	88 8 <u>x 0</u>	89 0 <u>x 5</u>	90 9 <u>x 9</u>

