Entering 4th Grade Summer Math Packet

First Name: _____ **Last Name:**_____

4th Grade Teacher: _____

I have checked the work completed:_____
Parent Signature

DO NOT use a calculator when completing this packet.

1. Write the products: Practice any you do not know quickly.

4	8	11	2	2	7	10	12	6	5	9	5	0
x2	x4	x2	x5	x3	x5	x3	x4	x3	x4	x4	x3	x2
3	9	2	5	7	10	6	5	11	1	4	8	11
x3	x5	x7	x5	x4	x4	x4	x2	x5	x3	x5	x2	x4
6	8	6	3	9	10	12	3	7	4	9	4	12
x5	x4	x2	x4	x3	x2	x3	x5	x3	x4	x2	x3	x2

2. Mrs. Count was born in the year one thousand, nine hundred forty-two. In what year was she born?
   A. 1429
   B. 1492
   C. 1924
   D. 1942

3. Which correctly completes the number sentences? 53,277 <_____
   A. 49,999
   B. 50,400
   C. 52,388
   D. 61,003

4. Which number is fifty-two thousand, three hundred nine?
   A. 5,239
   B. 52,039
   C. 52,309
   D. 52,390

5. What is the digit in the ten-thousands place of the number 68,173?
   A. 1
   B. 6
   C. 8

15. How much is 2,470 + 1,423? Show your work.
    A. 1,053
    B. 3,763
    C. 3,893

Remember "bottom bigger better borrow" when subtracting. Do you need to borrow from the tens?

16a. 82 subtract 65 =
    A. 17
    B. 23
    C. 27
    D. 13

16b. 61 subtract 18 =
    A. 52
    B. 57
    C. 43
    D. 47

17a. 80 subtract 34 =
    A. 54
    B. 46
    C. 56

17b. 85 subtract 64 =
    A. 19
    B. 21
    C. 11

18. How much are 8,965 subtracting 3,525? Show your work.
    A. 5,440
    B. 5,480
    C. 6,440
    D. 12,490

19. The lunchroom serves only hamburgers and pizza on Mondays. Last Monday, 314 students bought a lunch. There were 97 students who bought hamburgers. Which of the following is ***closest*** to the number of students who bought pizza?
    A. 100 students
    B. 200 students
    C. 300 students
    D. 400 students

20. The best estimate of the sum of 389 and 403 is:
    A. 600
    B. 700
    C. 800
    D. 900

21. Which division statement is related to 6 x 4?
    A. 24 divided by 4
    B. 64 divided by 4
    C. 10 divided by 6
    D. 24 divided by 3

22. The division 354 divided by 6 can be used to solve which of the following problems?
    A. How many school children there will be if 6 new students enroll at a school with 354 students?
    B. How many school children will there be in a school if 6 students move away from a school with 354 students?
    C. How many tables for 6 are needed to sit 354 people?
    D. How many celery plants are planted in 6 rows if each row has 354 plants?

31. What is the missing number in the problem 7 x _____ = 56
    A. 7
    B. 8
    C. 9

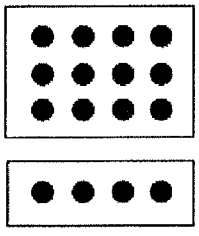
32. Solve this problem in your head: 500 x 6 =
    A. 300
    B. 530
    C. 3000

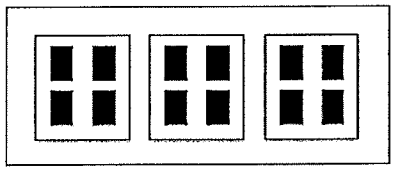
33. John had exactly 32 pennies. He sorted the pennies into stacks of 5 pennies each. How many pennies were left over?
    A. 37
    B. 6
    C. 2
    D. 0

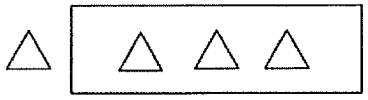
34. 27 students want to join teams for relay races. Each team must have 4 students. How many complete teams can be made? Would any students be left out, if any?
    A. 5 complete teams with 2 students left out
    B. 6 complete teams with 3 students left out
    C. 7 complete teams with 0 students left out

35. May has 10 eggs that she can use to make cookies for the bake sale. Each cookie recipe calls for 3 eggs. How many full recipes can she make and how many eggs will be left over, if any?
    A. 2 full recipes with 4 eggs left over
    B. 3 full recipes with no eggs left over
    C. 3 full recipes with 1 egg left over

36. Which picture represents the equation 12 ÷ 3 = 4?

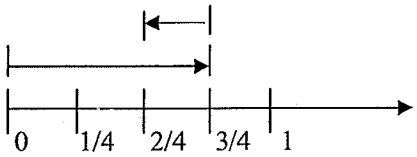
a 

b 

c 

37. A teacher marks 10 of her students' tests every half hour. It takes her one and one half hours to mark all her students' tests. How many students are in her class?
    A. 5
    B. 15
    C. 20
    D. 30

43. Which number sentence is best represented by the model below?



A. ¼ + 2/4 = ¾
B. ¾ - ¼ = ¾
C. ¾ - ¼ = 2/4
D. ¾ + 2/4 = ¾

44. Which group of fractions is in order from least to greatest? Draw a picture.
A. 2/2, 3/8, 3/4
B. 2/2, 3/4, 3/8
C. 3/4, 3/8, 2/2
D. 3/8, 3/4, 2/2

45. Which set shows fractions ordered from least to greatest? Draw a picture.
A. 1/4 , 1/2 , 6/8
B. 1/2 , 1/4 , 1/8
C. 1/2 , 2/4 , 3/8

46. Insert <u>< , > , or =</u> in the following blank lines. Draw a picture to help you.

A. 1/5 _____ 1/9
B. 1/6 _____ 1/3
C. 4/5 _____ 2/5
D. 1/2 _____ 2/4
E. 2/6 _____ 4/6

47. How many half dollars are there in $4.50?
A. 9 half dollars
B. 18 half dollars
C. 10 half dollars

48. Ben, Susan, Alex and Tonya each received ¼ of a dollar. How much is that?
A. $25
B. $.025
C. $0.25
D. $2.5

49. Eva has $4.00 to spend on apples. Each apple costs $0.50. How many apples can Eva buy?
A. 2
B. 4
C. 6
D. 8

50. Which coins does 0.50 and 0.25 represent?
A. 2 quarters and 2 dimes
B. 1 nickel and 1 quarter
C. 1 half dollar and 1 quarter
D. 5 dimes and 1 nickel

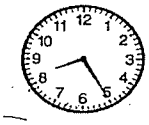
57. Mary has a piano recital on May 25. Today is April 28. How long must she wait before the recital day?

APRIL						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

MAY						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

A. 3 weeks 2 days
B. 3 weeks 6 days
C. 4 weeks 2 days

58. Joey is meeting Tom at the movies at 1:45. The clock below shows what time it is now. How much time does Joey has to wait before he meets Tom?



A. 4 hours 45 minutes
B. 5 hours 20 minutes
C. 7 hours 20 minutes

59. Kim's little sister just turned 2 years old today. How many months old is her little sister?
A. 2 months
B. 12 months
C. 24 months

60. Eric's disk measures 27 inches. How many feet and inches is that?
A. 1 foot 3 inches
B. 2 feet 3 inches
C. 2 feet 7 inches

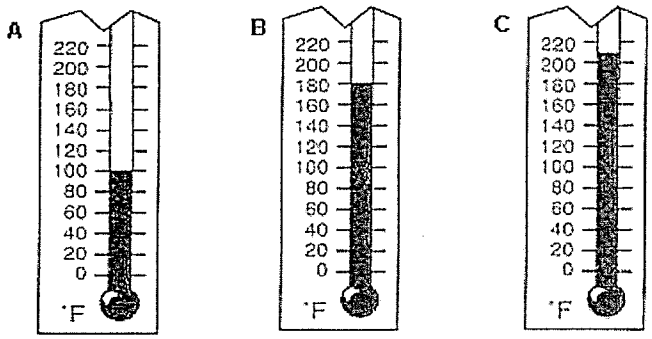
61. Which of the following represents the *greatest* length?
A. 10 inches
B. 1 ½ inches
C. 1 ½ feet
D. 1 foot

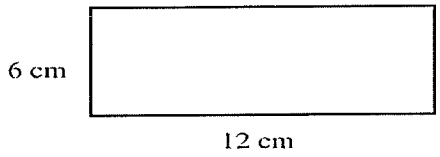
62. Which of the following is the shortest measurement?
A. 1 yard
B. 2 feet
C. 26 inches
D. 1 foot 10 inches

68. Chris just put his grape juice in the freezer to make Popsicles. At what temperature will the Popsicles start to freeze?
    A. 32° F
    B. 0° F
    C. -32° F

69. Brandon and Ashley are building a snowman on their day off of school. Which is the best estimate of the outdoor temperature?
    A. 20° C
    B. 35° C
    C. 45° C

70. Which thermometer shows the boiling point of water?





71. What is the perimeter of the above rectangle?
    A. 18 cm
    B. 30 cm
    C. 36 cm

72. What is the area of the above rectangle?
    A. 36 square cm
    B. 72 square cm
    C. 36 square cm
    D. 18 cm

73. Draw a rectangle with one side 1 inch and the other side of 3 inches. Then find the perimeter of the rectangle.

    A. 3 inches
    B. 4 inches
    C. 6 inches
    D. 8 inches

81. Jim's cat weighs 8 pounds 7 ounces. Betty's cat weighs 9 pounds 4 ounces. How much do the two cats weigh together?

A. 18 pounds 11 ounces
B. 17 pounds 3 ounces
C. 17 pounds 11 ounces
D. 18 pounds 3 ounce

82. What is 2 minutes and 45 seconds plus 1 minute and 45 seconds?

A. 3 minutes and 30 seconds
B. 4 minutes and 15 seconds
C. 4 minutes and 30 seconds
D. 4 minutes and 45 seconds

83. Victoria has 15 dollars and 67 cents. If she borrows 10 dollars and 58 cents from her dad, how much money will she have altogether?

A. 25 dollars
B. 25 dollars and 25 cents
C. 26 dollars
D. 26 dollars and 25 cents

84. Andy had $9.85. He bought a toy for $5.52. How much money does Andy have left?

A. $3.24
B. $4.33
C. $5.43
D. $15.37

85. Anna had $2.25. She was given $5.50 for her birthday. Anna then spent $4.35 on a new book. How much Money does Anna have now?

A. $1.15
B. $3.25
C. $3.40
D. $7.75

86. Lance has $5.62. If he wants to buy a book that costs $16.95, how much more money will Lance need?

A. $5.93
B. $9.66
C. $11.33
D. $22.57

87. Write the following numbers in expanded notation. Ex. 432 = 400 + 30 + 2

3,402 = _____ + _____ + _____

5,325 = _____ + _____ + _____ + _____

How many edges are on the cube?

A. 6 edges
B. 8 edges
C. 12 edges

How many faces are on the cube?

A. 4 faces
B. 6 faces
C. 8 faces

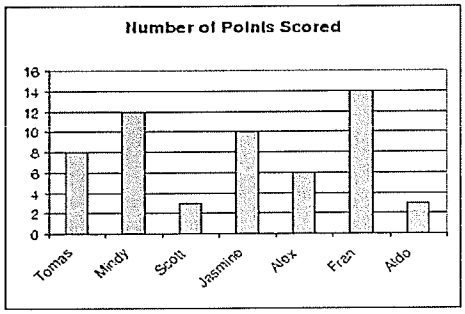
94. The shape of on orange is similar to a _____.

A. cone
B. cube
C. prism
D. sphere

95. What figure has four triangular faces and one square face?

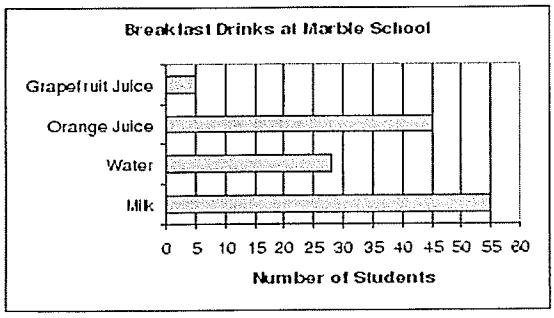
A. Square prism
B. Triangular prism
C. Triangular pyramid
D. Square pyramid

96. This chart shows how many points were scored by members of a basketball team. How many players scored 10 or more points?



A. 1 B. 2 C. 3 D. 4

97. 133 fourth grade students were asked what they drink with breakfast in the morning. Here is a bar graph of their responses.



What is the range of this data?

A. 28
B. 50
C. 55
D. 60

101. 23 children are waiting in line for a roller coaster. There are 5 carts that hold 4 people. Will all the children be able to ride together at the same time?

A. Yes
B. No

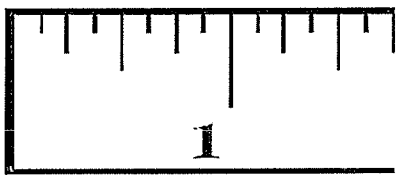
Explain your answer.

102. Place the following fractions where they belong on the number line:

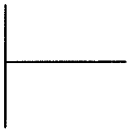
2/4 3/4 1/4

103. Place these fractions where they belong on the ruler:

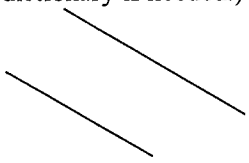
1/2 3/4 1/4



104. Label the following lines: (You can look the terms up in a dictionary if needed.)



A. Parallel
B. Intersecting
C. Perpendicular



A. Parallel
B. Intersecting
C. Perpendicular

105. Which two faces of this cereal box appear to be parallel?

A. Top and right side
B. Front and bottom
C. Front and back
D. Bottom and left side

109. Don wants to buy enough seed to grow grass in the patch of lawn that is 10 feet long and 9 feet wide. How many **square** feet is her patch of lawn? Show your work.

Answer_____

110. Find the products.
Any multiplication problem you do not know quickly please practice on flash cards.

6	4	7	5	12	3	6	3	0	7	5	6	3	8
x2	x4	x2	x4	x0	x5	x3	x8	x8	x3	x5	x4	x9	x3
6	2	3	8	7	12	8	3	11	7	9	4	4	9
x5	x12	x6	x2	x5	x1	x4	x7	x4	x6	x2	x8	x6	x3
4	5	0	5	9	5	2	9	5	11	5	9	7	7
x7	x0	x3	x8	x4	x7	x1	x5	x6	x5	x9	x8	x7	x9
8	6	8	1	9	9	8	1	9	2	1	3	12	1
x8	x6	x7	x2	x6	x9	x6	x9	x1	x5	x1	x4	x3	x3
8	8	12	8	12	5	3	4	2	7	6	2	6	12
x0	x1	x4	x9	x0	x1	x2	x0	x2	x1	x8	x6	x7	x5
8	4	2	9	12	11	2	7	0	6	1	5	3	2
x5	x1	x8	x7	x8	x6	x9	x4	x2	x9	x0	x2	x3	x4
4	12	4	4	1	2	11	6	7	5	2	1	4	11
X9	x6	x2	x3	x4	x3	x7	x1	x8	x3	x7	x8	x5	x4

117. Find the quotients.

2)2	3)9	8)32	7)49	5)10	4)0	1)1	4)8	2)12	9)54	1)3	1)2	2)4	2)14
8)8	7)63	8)40	5)0	4)4	4)12	9)45	9)63	6)6	3)12	1)7	3)0	1)9	
2)16	3)3	3)15	5)20	3)18	3)6	5)15	7)0	9)27	4)16	7)21	4)20	7)28	
8)16	3)21	9)18	4)24	2)6	1)8	5)35	7)35	3)27	6)36	3)24	2)0	4)32	
9)9	4)36	6)42	5)40	8)64	7)14	6)30	8)56	1)5	4)28	7)56	8)24	6)24	

81 ÷ 9= _____	48 ÷ 6 = _____	18 ÷ 6 = _____	42 ÷ 7 = _____
10 ÷ 2 = _____	54 ÷ 6 =_____	36 ÷ 9 = _____	45 ÷ 5 = _____
72 ÷ 8 = _____	8 ÷ 2 =_____	72 ÷ 9 = _____	6 ÷ 1 =_____
25 ÷ 5 = _____	5 ÷ 5 = _____	18 ÷ 2 = _____	30 ÷ 5 =_____
12 ÷ 6 = _____	4 ÷ 1 = _____	48 ÷ 8 = _____	7 ÷ 7 = _____

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

4/10 = _____	8/10 = _____	23/100=_____	56/100=_____
8/100 = _____	5/10 = _____	66/100= _____	2/10 = _____

123. Which of the following is true?

A. 25 meters > 25 centimeters
B. 25 meters < 25 centimeters
C. 250 centimeters > 25 meters
D. 25 centimeters = 25 meters

124. Which shape has 12 edges, 8 vertices, and 6 faces?

A. Triangular prism
B. Triangular pyramid
C. Rectangular prism
D. Rectangular pyramid

125. Write the number 365 thousand 243 in standard form. _____

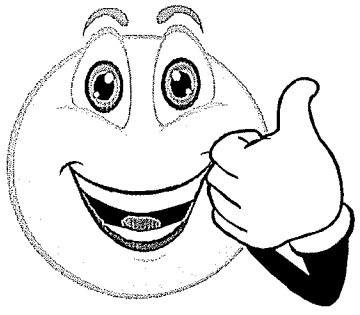
126. Write the following number in standard form: 3,000 + 500 + 30 + 2 = _____

127. Write the following number in standard form: 5,000 + 200 + 3 = _____

128. Write the following in expanded notation: 8,325 = _____

129. Write the following in expanded notation: 6,023 = _____

CONGRATULATIONS!!! You have completed the summer math packet. You are now ready for 4th grade success! Please turn this packet into your 4th grade teacher, the first week of school in September.



4th Grade
SUMMER READING LOG

*****Please bring this form back on the first day of school!!!**

***Parent Signature:_____

Title	Author	Date Started & Finished
1.		
2.		
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