Welcome to

Fourth!

Summer 2019

Pyne Arts

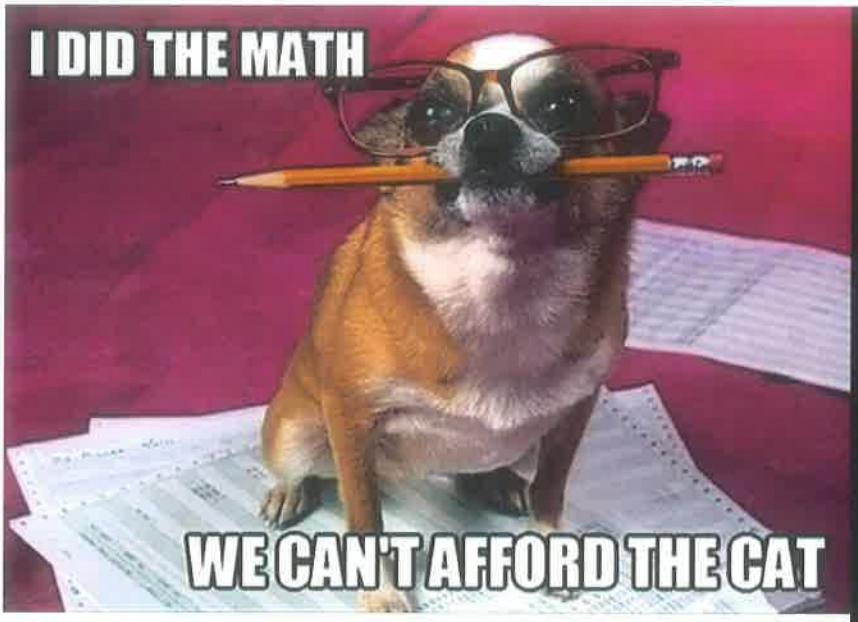
Supply List

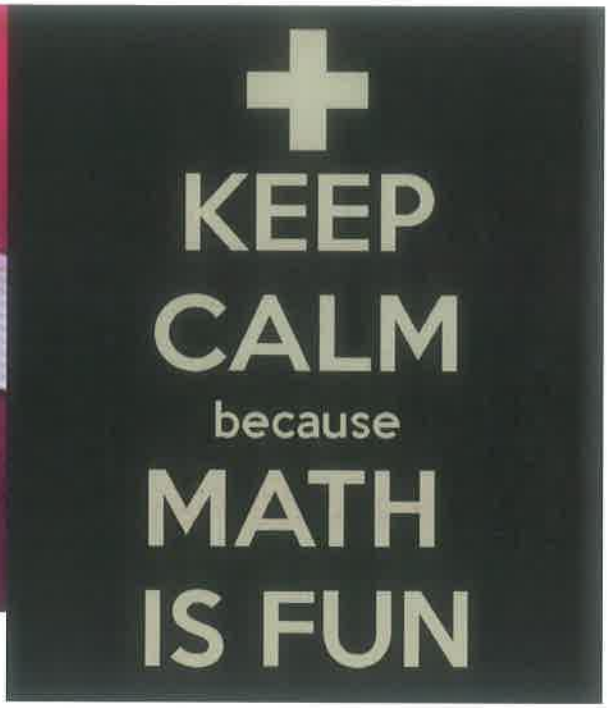
Backpack
Scissors
Crayons/Colored pencils
#2 pencils
Erasers
2 spiral notebooks (1 subject)
2 folders
Hand sanitizer

Third grade was a busy year learning new math skills! Mastery of all these skills is extremely important in order to develop a solid math foundation. The *fourth* grade math program will add onto these skills, so any time spent learning or reinforcing these concepts will be very helpful.

Complete 5 problems each day of the math packet. Please return this completed packet in August to either Mr. Putnam or Ms. Panagopoulos.

After your child has completed the math problems and you feel your child is still struggling on a certain concept, you can visit some of the web sites listed on the next page.





Math Sites!

www.wildmath.com

www.aplusmath.com

www.aaamath.com

www.illuminations.nctm.org

www.funbrain.com

TERMS

Sum: the answer to an addition problem.
Difference: the answer to a subtraction problem.
Product: the answer to a multiplication problem.
Quotient: the answer to a division problem.

Edges: These are all the straight lines of a figure. Like the edge of a desk, where 2 faces come together.
Faces: This is the flat surface of a figure.
Vertex: This is the corner of a figure. The point where 3 or more edges come together.

Perimeter: You add up all the sides. (You are adding all lengths of the outer edges together.)
Area: Area of a square or rectangle = length (l) x width (w) answer is written in "square units"

60 seconds = 1 minute
60 minutes = 1 hour
24 hours = 1 day
12 months = 1 year
12 inches = 1 foot
3 feet = 1 yard

Entering 4th Grade Summer Math Packet

First: _____ Last:_____
I have checked the work completed: _____
(Parent Signature)

DO NOT use a calculator when completing this packet.

1. On a separate piece of paper write out all multiplication facts from 4 x 1 to 4 x 9.

2. Mr. Putnam was born in the year one thousand, nine hundred eighty-one. In what year was he born?

A. 1980
B. 1911
C. 1918
D. 1981

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
D. 6

6. What is the place value of the 8 in the number 5,280?

A. ones
B. tens
C. hundreds
D. thousands

7. Which number is equal to 5,912?

A. 5 hundreds, 9 tens, and 12 ones
B. 5 thousands, 91 hundreds, and 12 ones
C. 5 thousands, 9 hundreds, and 12 ones
D. 5 thousands, 9 hundreds, 1 ten, and 2 ones

8. The number 9,036 is equal to which of the following?

A. 900 + 30 + 6
B. 90 + 30 + 6
C. 9000 + 30 + 6

9. Which number means 7 thousands, 4 tens and 5 ones?

A. 745
B. 7,045
C. 7,450

10. Which number goes in the blank to make the statement below true?
5,642 < _____ < 6,633

A. 6,931
B. 5,610
C. 6,745
D. 5,841

11. When counting by 6's, which of the following patterns is correct?

A. 0, 6, 12, 16, 22, 28, 34
B. 0, 6, 12, 18, 25, 31, 37
C. 0, 6, 12, 18, 24, 30, 36

12. What number comes next in this pattern 41, 43, 45, 47, _____?

A. 48
B. 49
C. 50

13. Martina has a new box of 64 crayons. She drops the box and 17 crayons are broken. How many crayons are NOT broken?

A. 47 crayons
B. 57 crayons
C. 53 crayons
D. 81 crayons

14. How much is 2,470 + 1,423? Show your work.

A. 1,053
B. 3,763
C. 3,893

15. How much is 8,965 minus 3,525? Show your work.

A. 5,440
B. 6,440
C. 5,480
D. 12,490

16. 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

17. The best estimate of the sum of 389 and 403 is:

A. 700
B. 800
C. 900

18. Which division statement is related to 6 x 4?

A. 24 divided by 4
B. 64 divided by 4
C. 10 divided by 6

19. Which of the following is a true statement?

A. $8 \times 2 = 4 \times 4$
B. $1 \times 1 = 1 + 1$
C. $10 \times 3 = 10 + 10$
D. $6 \times 6 = 5 \times 5 + 1$

20. There are 8 socks in Donny's drawer. How many pairs are there?

A. 2
B. 3
C. 4
D. 16

21. Which of the following is true?

A. $6 \times 3 = 4 \times 4$
B. $20 - 5 = 19 - 3$
C. $9 + 8 = 10 + 7$
D. $2 \times 3 = 2 + 3$

22. Which multiplication fact can be used to find the answer to $56 \div 7$?

A. 7×5
B. 7×8
C. 56×7

23. Susie wants to share 30 candies among 6 friends. How many candies will each friend get?

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

24. What is the missing number in the problem
54 divided by _____ = 6?

A. 7
B. 8
C. 9

25. What is the missing number in the problem
7 x _____ = 56

A. 7
B. 8
C. 9

26. Solve this problem in your head:
500 x 6 =

A. 300
B. 530
C. 3000

27. 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

28. 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

29. 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

30. Since 4 x 10 = 40, and 40 x 5 = 200, then which of the following is true?

A. 14 x 45 = 200
B. 4 x 10 x 40 = 200
C. 4 x 10 x 5 = 200
D. 40 x 10 x 5 = 200

31. Which group of fractions is in order from least to greatest? Draw a picture.

A. 2/2, 3/8, 3/4
B. 3/4, 3/8, 2/2
C. 3/8, 3/4, 2/2

32. Insert < , > , or = 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

33. 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

34. 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

35. Ron, Nita, Donna and David shared $1.00 equally. What was the exact amount each one received?

A. $0.25
B. $0.30
C. $0.50
D. $0.75

36. Michelle has a string which is 3 feet and 8 inches long and John has a string which is two feet and six inches long. How much longer is Michelle's string?

A. 2 inches
B. 10 inches
C. 1 foot and 2 inches
D. 1 foot and 10 inches

37. Mike began his bike ride at 2:40 p.m. and finished the ride at 3:20 p.m. How many minutes did Mike ride?

A. 20 minutes
B. 40 minutes
C. 60 minutes

38. What is the date two weeks after June 8?

A. June 10
B. June 15
C. June 22

39. 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

40. 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

41. Which of the following is the shortest measurement?

A. 1 yard
B. 2 feet
C. 26 inches
D. 1 foot 10 inches

42. On a separate piece of paper write out all multiplication facts from 6 x 1 to 6 x 9.

43. It took Lily 35 hours to drive from Michigan to Texas. How many days and hours did she drive?

A. 1 day 11 hours
B. 1 day 19 hours
C. 3 days 5 hours

44. Brad can long jump 1 meter 9 centimeters. How many centimeters is that?

A. 19 centimeters
B. 109 centimeters
C. 1,009 centimeters

45. 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

46. 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

47. Write the following numbers in expanded form.
Example: 432 = 400 + 30 + 2

3,402 = _____ + _____ + _____
5,325 = _____ + _____ + _____ + _____

48. Sally is 5 years and 5 months old. Her brother, Kevin, is 8 years and 6 months old. How much older is Kevin than Sally?

A. 2 years and 1 months
B. 2 years and 11 months
C. 3 years and 1 months
D. 3 years and 11 months

49. Stan wants to buy enough paint to cover an area of one wall of his bedroom. The wall is 8 feet high and 10 feet wide. How many square feet will the paint need to cover?

A. 18 square feet
B. 36 square feet
C. 80 square feet
D. 88 square feet

50. Which figure has four sides? (You can look the terms up in a dictionary.)

A. Trapezoid
B. Circle
C. Triangle
D. Pentagon

51. How many right triangles would it take to make a square? Answer the question below, then show your answer by making a drawing.

A. 2
B. 3
C. 4
D. 6

52. How many triangles would it take to make a hexagon?

A. 3
B. 4
C. 6

53. How many vertices are on a cube?

A. 6 vertices
B. 8 vertices
C. 12 vertices

54. How many edges are on a cube?

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

55. How many faces are on a cube?

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

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

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

57. On a separate piece of paper write out all multiplication facts from 7 x 1 to 7 x 9.

58. Solve each of these without using a calculator:

4 x 6 = _____	8 x 8 = _____	2 x 7 = _____
2 x 9 = _____	5 x 5 = _____	9 x 6 = _____
8 x 5 = _____	2 x 2 = _____	3 x 4 = _____
32 ÷ 4 = _____	7 x 7 = _____	56 ÷ 7 = _____
72 ÷ 9 = _____	18 ÷ 2 = _____	3 x 8 = _____
45 ÷ 9 = _____	4 x 4 = _____	8 x 7 = _____
24 ÷ 3 = _____	3 x 3 = _____	3 x 8 = _____
4 x 6 = _____	6 x 6 = _____	1 x 9 = _____

59. What is 500 x 8? Explain how you figured this out, without using a calculator.

60. Kiara 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_____

61. On a separate piece of paper write out all multiplication facts from 9 x 1 to 9 x 9.

62. Bonnie and 3 friends shared $2.00 equally. What is the total amount each of them received?

A. $6.00
B. $1.00
C. $0.75
D. $0.50

63. What time was it 3 hours ago if it is now 2:00 pm?

A. 10:00 am
B. 11:00 am
C. 5:00 pm
D. 11:00 pm

64. What is the perimeter of a rectangle that has a length of 6 inches and a width of 5 inches?

A. 11 inches
B. 22 inches
C. 30 inches
D. 36 inches

65. Write the following as a fraction:

Eight tenths = _____
Twenty-seven hundredths = _____
Five hundredths = _____
Five tenths = _____

****Congratulations! You've completed your Summer Math Enrichment Packet!**