Grade 3: SUMMER MATH PACK

Below are skills your child should know when entering third grade in September.

1.   **Adding 2 digit numbers with and without regrouping**
2.   **Identify shapes and symmetry**
3.   **Write, spell and utilize ordinal numbers**
4.   **Quickly adding doubles and doubles +1 (2+2, 3+3 and 2+2+1, 3+3+1)**
5.   **Identify and write the value of each coin**
6.   **Make simple change – add/subtract money amounts**
7.   **Identify fractions using a circle**
8.   **Label and use a calendar – What is the third Wednesday of the month?**
9.   **Tell time to the quarter-past, half-past, and hour**
10.   **Create and read a bar graph, make inferences on data**

Each incoming third grader is expected to practice the above skills over the summer to keep them current. A Math Packet can be located on our website. Also, below are some suggested websites or math practice activities.

The SUMMER MATH PACKET is expected to be returned by: *** ***the First Day of School

http://www.coolmath.com
http://www.abcya.com
http://www.funbrain.com
http://www.funbrain.com/kidscenter.html
http://www.ixl.com/math/grade-3

The following activities are also a great way for your child to practice and enhance his/her math skills.

- ✓   **Do addition and subtraction outside with sidewalk chalk**
- ✓   **Use fact flash cards (addition, subtraction and multiplication)**
- ✓   **Practice coin counting and making change by playing store**

✓   **Use candy or cereal to make graph**

Entering Third Grade Summer Math Packet

First Name: _____ Last Name: _____
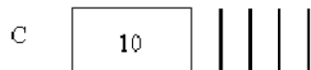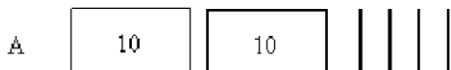
Third Grade Teacher: _____

I have checked the work completed_____
<div align="center">Parent signature</div>

Multiple Choice Questions:
Select the one best answer for each question.

1. One day at lunch Tony used straws to show his friend 3 ways to make 24. Some straws were bundled in groups of ten. Which picture does NOT show a right way?

   A   [10] [10] | | | |

   B   [10] | | | | | | | | | | | | | |

   C   [10] | | | |

2. Which is a correct addition pair for 100?

   A. 91 + 5
   B. 97 + 4
   C. 92 + 8

3. Brent and Kayla each caught 1 fish.
      - Brent's fish was 48 inches long.
      - Kayla's fish was 22 inches longer than Brent's fish.
  Which number sentence can be used to determine the length of Kayla's fish?

A. 12 + 10 = ?   B. 48 − 22 = ?   C. 48 + 22 = ?

4. Which is a correct addition pair for 100?

A. 45 + 55
B. 30 + 60
C. 64 + 46

5. Find the sum:

5	8	1		2	2	7
5						
+3	+0	+2	+2	+6	+3	+5

7	5	3	2	5	2	3
+7	+2	+0	+7	+1	+5	+3

6. Find the difference:

15	14	13	16	17	12	17
- 7	- 5	- 6	- 9	- 9	- 4	- 8

11	10	12	12	11	13	14
- 6	- 1	- 3	- 5	- 8	- 5	- 6

7.   List the value of each coin.

_____   _____ _____   _____

8.   Count the coins from someone in your house. Ask for their
        permission first. Draw the coins out if needed. (Up to $2.00)

_____

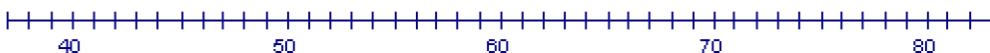9.   Which is NOT a correct addition pair for 100?

    A. 98 + 2
    B. 87 + 23
    C. 66 + 34

10.   Find the distance between 31 and 44 on a number line?
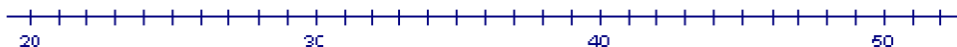
    A. 12
    B. 13
    C. 16

11.   How far is it on the number line from 54 to 68?

A. 13   B. 14   C. 15

12.   David wanted 100 trading cards. He has 55 cards. How many more
       cards does he need?

   A. 35
   B. 45
   C. 155

13.   Tammy wanted 100 trading cards. She had 55 cards. Which number
       sentence could Tammy use to help her figure out how many more
       cards she needs?

   A. $100 + \_\_\_\_\_ = 55$
   B. $55 + \_\_\_\_ = 100$
   C. $100 + 55 = \_\_\_\_\_$

14.   Find the missing value in this number sentence: $13 + \_\_\_\_ = 68$.

   A. 37
   B. 45
   C. 55

15.   To find the missing value in this number sentence $29 + \_\_\_\_\_ = 88$,
       you should-

   A. start with 29 and add 88.
   B. start with 29 and subtract 88.
   C. start with 88 and subtract 29.

16.   54 birds were sitting in a tree. Some flew off. Then there were 30
       left.   How many birds flew off?

A. 14
B. 24
C. 30

17.   There are 19 marbles in all. How many are under my hand?
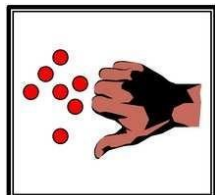
   A. 12   B. 17   C. 24

18.   Farmer Tom had 39 cows in a pasture. During a storm, the fence
        broke and 13 of the cows wandered off. Which number sentence can
        be used to find out how many cows stayed in the pasture?

   A. 39 + 13 =
   B. 39 – 13 =
   C. 13 + 13 + 13 + 13 =

19.   Mary saved $5.60 in a week. The next week she saved $1.20. How
        much money did she save altogether?

   A. $4.30
   B. $5.80
   C. $6.80

20.   Mary saved $56 in a week. The next week she saved $12. How
        much money did she save altogether?

   A. $43
   B. $58
   C. $68

21.   There were 63 pumpkins in a pumpkin patch. Wanda picked 19 of the pumpkins. How many of the pumpkins were left in the patch?

   A. 82   B. 56   C. 44

22.   The Wildcats scored 63 points in the game. But they only scored 27 points in the first half. How many points did the Wildcats score in the second half?

   A. 26   B. 36   C. 44

23.   At the basketball game, the Wildcats beat the Bears 63 to 56. How many points did both teams score all together?

   A. 103   B. 109   C. 119

24.   Find the sum or difference: Watch the signs!

8	7	6	9	3	9	6
- 2	+9	+6	+8	+6	- 2	+3

6	8	13	3	6	18	5
+7	+4	- 7	+9	+8	- 7	+3

19	18	17	9	8	6	7

- 3	- 8	- 4	+4	- 3	+4	+6

14	7	13	8	3	8	17
- 6	+5	- 8	+6	+2	+2	- 8

25. Find the difference: Remember "bottom bigger better borrow" For example: 52 – 16, the 2 is bigger than the 6, so you need to borrow from the 5 (tens).

28	34	47	75	64	41	69
- 9	- 7	-19	-37	-14	- 9	- 5

26. There were 654 geese on a pond when another flock of 135 geese arrived. How many geese were on the pond then?

    A. 789
    B. 799
    C. 889

27. The sum of 587 and 221 is closest to

    A. 400
    B. 800
    C. 900

28. The sum of 313 and 406 is closest to

    A. 100

B. 700
C. 800

29. Estimate the sum of these two numbers: 167 + 122 =

   A. 200
   B. 250
   C. 300

30. Jim wants 500 trading cards. He has 50 cards. How many more cards does he need? (Do this in your head, without pencil and paper or calculator.)

   A. 400 B. 450 C. 550

35. Write the number six hundred seven_____

36. Write the number one hundred twelve_____

37. Write the number two hundred eight_____
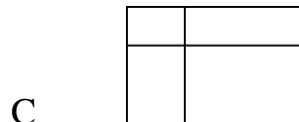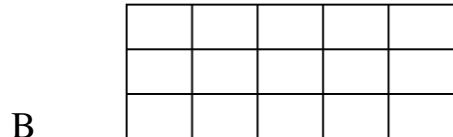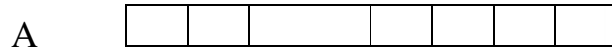
38. 357 – 100 is

   A. 356 B. 347
   C. 257

39. It took Jon a month to save $5.00. How many months will he have to save money to buy a $25.00 skateboard?
   A. 2
   B. 5
   C. 20

40. Baliee has 12 Yugi-Oh cards. She wants to share them equally with 3 friends. Which number sentence shows this situation?

A. 12 - 3 = 9
B. 12 ÷ 3 = 9
C. 12 ÷ 3 = 4

41. Which of these pictures shows 3 times 5 (3 x 5)?

A

B

C

42. Elisa arranged her checkers in a pattern shown below.

o o o o o
o o o o o
o o o o o
o o o o o

Which operation best shows how she arranged them?

A. 4 x 5
B. 4 + 5
C. 5 x 5

44. Karen has 2 bowls of cereal each day. After 5 days, how many bowls of cereal has she eaten? Show this with a drawing and write it out with numbers and symbols, then solve it.

Drawing:

Written with numbers and symbols:

Find the answer:
    A. 10   B. 7   C. 3

45. Farmer Jill had 3 chickens that laid eggs. Each day they laid 2 eggs each. Which sentence shows how many eggs she got each day?

    A. $3 - 2 = 1$
    B. $3 + 2 = 5$
    C. $3 \times 2 = 6$

46. Each pack of gum has five sticks. How many sticks are in three packs of gum?

    Draw a picture or use objects to show this situation, then find the answer.

    A. 5
    B. 8
    C. 15

47. There are six juice boxes in a pack. How many packs are needed for 18 students? Draw a picture or use objects to show this situation.

    A. 3
    B. 5
    C. 15

48. Find the sum or difference:

25	46	26	58	69	39	73
+11	+ 29	+37	+15	+26	+89	+17

10	13	7	15	13	10	15
- 9	- 7	- 3	- 9	- 4	- 8	- 6

41	67	41	73	38	42	59
- 7	- 28	-23	- 42	- 8	-13	-21

49. Fill in the blanks, skip count by 5's.

   25, _____, _____, _____, _____

   50, _____, _____, _____, _____

50. Tina is having a birthday party. She has invited 20 friends. Each of her tables seats four people. How many tables does she need?

   A. 4   B. 5   C. 6

51. What addition problem shows the multiplication 5 x 2?

   A. 5 + 5   B. 2 + 2   C. 5 + 2

52. A whole pizza had 4 equal pieces. David ate 1 piece. Draw the whole pizza and shade the part David ate.
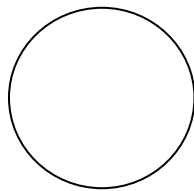
What fraction of the pizza did David eat?

A. ½
B. ¼
C. ¾

53. You divide a chocolate bar into 3 equal pieces. You give your friend 1 of these pieces. What fraction of the candy bar did you give to your friend?
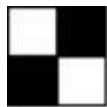
Draw a picture:

A. 1/2   B. 1/3   C. 2/3

54. This picture shows which fraction?

A.   2/2   B. 2/4   C. 4/4

55. Bob wanted to share his candy bar with his friend Mark. He offered Mark the following choices:

A. You can have 1/10 of my candy bar.
B. You can have 1/6 of my candy bar.
C. You can have 1/2 of my candy bar.

Mark wants to choose the biggest piece. Tell which fraction Mark should choose and tell why.

_____

_____

_____

56. A pan of brownies is cut into twelfths (1/12). Each of the 10 students in the speech class ate one brownie. How many were left for the teacher?

Draw a picture:

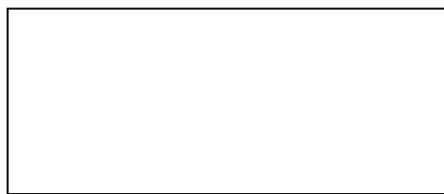   A. 1   B. 2   C. 3

57. Joe's jump rope is 3 feet long. Sally's jump rope is 5 feet long. How much longer is Sally's jump rope?

   A. 2 feet   B. 6 feet   C. 8 feet

58. Shawn used a triangular chip shaped like the one below to find the area of this rectangle. How many triangles will fit into the rectangle? (You may trace the triangle and use the tracing to measure.)

   A. 3 triangles   B. 6 triangles   C. 8 triangles

59. A second grade square table measures 3 feet on each of the four sides. What is the measurement of its perimeter?

    A. 6 feet   B. 9 feet   C. 12 feet

60. What is the area of the rectangle below?
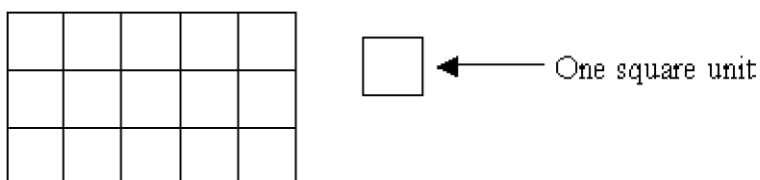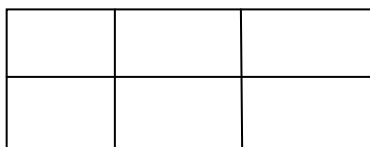
One square unit

    A. 8 square units
    B. 15 square units
    C. 16 square units

61. Write seven hundred eight_____

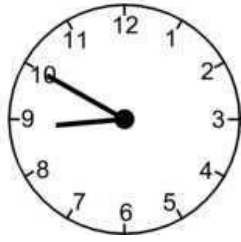62. Write eight hundred eighty-eight_____

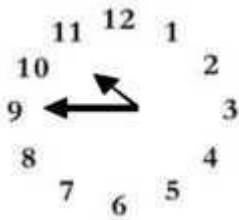63. Find the area of this rectangle.

    A. 2 square units   B. 3 square units   C. 6 square units

64. Tell the time indicated on the clock pictured below.

A. 10 minutes to nine
B. 10 minutes to eight
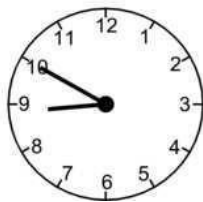C. Nine – ten

65. What time is it on this clock?

A. 11:45
B. 10:45
C. 9:10

66. Write four hundred ten_____

67. Write six hundred six_____

68. What time will it be half hour after the time shown on the clock?

A. Eight-twenty
B. Nine–ten
C. Nine-twenty

69. School is over at 3:15. It is a half-hour bus ride home. What time will you arrive home from school?

    A. 3:30   B. 3:45   C. 4:45

70. Find the difference:

17	4	14	7	13	8	7
- 9	- 4	- 6	- 6	- 8	- 4	- 2

12	8	6	3	9	10	9
- 8	- 8	- 2	- 0	- 6	- 6	- 5

71. Johnny bought a notebook for $6.50. He paid for it with a $10.00 bill. How much change should he have received?

    A.$4.50
    B. $3.50
    C. $2.50

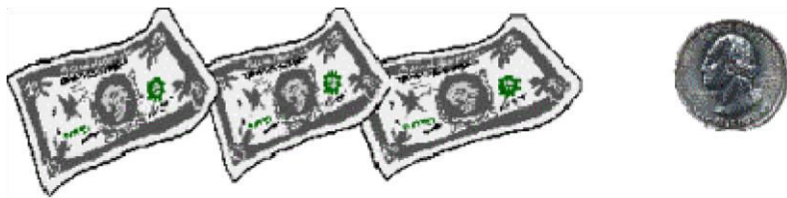72. Find the sum:

39	48	17	69	65	24	66
+27	+33	+ 7	+23	+35	+27	+21

73. My piggy bank has 3 quarters. How much money do I have?

    A. $0.75

B. $7.50
C. $75

74. What is the total value of this money?

A. $1.25
B. $3.25
C. $32.5

75. Juan had $1.50. He was given 60 cents more. How much money does Juan have?

A. $1.56
B. $2.10
C. $61.50

Congratulations!!

You have completed the summer math packet. You are now ready for 3rd grade success! Please turn this packet into your third grade teacher on the First Day of School in September.