

Our first graders had a busy year learning new math skills. Mastery of all these skills is extremely important in order to develop a solid math foundation. The second grade math program will add onto these first grade skills, so any time spent learning or reinforcing these concepts will be very beneficial for your child. Each year builds upon the previous year's skills in math. Any areas your child had difficulty, you may want to give them additional practice. Student mastery of the basic math skills is as important to success in future mathematical procedures and reasoning as learning the alphabet is to reading and writing.

Have your child complete one page (one side) two-three times a week of the math packet. Please return this completed packet to your second grade teacher. The grade level that receives the largest percentage of summer packets returned will win a Free Dress Pass!

After your child has completed the math problems and you feel your child is still struggling on a certain concept and needs further practice, you can visit some of the websites listed on the next page. You can also make up problems of your own for additional practice.

Reminder: Practicing addition facts and subtraction facts are very important!

1305 North Center Street - Arlington, TX. 76011 • 817.287.5121 • Fax 817.287.0532 www.summitinternationalprep.org

Excellent websites for fun learning and reinforcement of math skills:

<u>www.wildmath.com</u> Select "Play the game". Select addition or subtraction and grade. You can race to beat your time.

<u>www.harcourtschool.com</u> Click the red box, select math, select HSPMath, select Michigan, click on the 'I ' ball or '2' ball for a challenge. Select a game. Addition Surprise, Addition Bricks, E-lab Number Patterns are very good.

<u>www.aplusmath.com</u> go under "Flashcards" or "Game Room" on the left side of the screen. They can practice adding and subtracting.

<u>www.mathisfun.com</u> Select Money then select Money Master, click on the US flag, select simple. Or you can select numbers then Math Trainer for adding and subtracting. Back at home screen select games and pick a game to play.

<u>www.eduplace.com</u> Select your state — "Michigan" press submit. Select the student tab then click on the "mathematics" rectangle. Click in the center book "Houghton Mifflin Math 2007". Click on "Grade 1 ". Select any games. Extra Help and Extra Practice is good, also eGames.

www.illuminations.nctm.org Select activities then select grade level. Click on Search.

<u>www.aaamath.com</u>At the top pick "First" or "Second" for a challenge. Choose any of the activities like adding or subtracting then select "play" option toward the top of the screen. 20 Questions and countdown games are good ones.

www.funbrain.com Lots of fun games to choose from.

Other games and activities you can play:

- Nun-Iber Dot to Dot books or coloring books with addition/subtraction problems to color by.
- Write the numbers I 50 or to 100 on index cards or pieces of paper. One number on each card. You can play war. Divide cards up evening among all players. Cards are face down. Each player turns over their top card. Highest number takes all the cards. Keep playing until you are through all cards. Person with the most cards wins. Have all cards face down. Select 4 to 5 cards and put them in order from least to greatest or you can do largest to smallest.
- Using sidewalk chalk, have them write the numbers counting backwards from 20.
- Play a game while in the car or waiting in line.
 What number comes before 60? What number comes after 29? 50 is one more than ? (49) 39 is one less than ? (40)
 What comes between 62 and 64?
- Practice counting by 5's, 10's, or 2's. Have them write it in sidewalk chalk. Counting by 2's how many steps are from your bedroom to the bathroom? Etc..
- Take a deck of cards and remove the face cards (kings, queens, jacks). Aces are one. Divide the cards evenly among 2 players. Each player flips over a card. The first one to add the 2 numbers correctly wins the cards. After going through the pile of cards, the player with the most cards wins. You can do a subtraction version also.



The math packet and reading project will be due on Tuesday, August 9, 2016, the first day of school.

2nd Grade Summer Reading Book List

A Dark and Noisy Night by Lisa Thiesing

Summer of the Sea Serpent by Mary Pope Osburn

Mr. Popper's Penguins by Richard Atwater

2nd Grade Summer Reading Book Project

Choose a book from your grade selection. After reading your book for the summer, <u>choose 1 of the protect ideas</u> below to complete. You will be expected to present your project to the class the first week of school

- 1. Make a model of something in the story.
- 2. Write a letter to a character in the book.
- 3. Create a poster of the book to retell the main events of the story.

Entering Second Grade Summer Math Packet

| First Name: | Last Name: |
|-------------|------------|
| | |

Second Grade Teacher: _____

I have checked the completed work: ______

Parent Signature

1. Fill in the missing numbers of the hundreds chart below:

| | | | 4 | | 6 | 8 | | |
|----|----|----|----|----|----|----|----|----|
| | | | 14 | | | | 19 | |
| | 22 | 23 | | | | | | 30 |
| 31 | | 33 | | 35 | | | 39 | |
| 41 | 42 | | | | | | 49 | |
| | 52 | 53 | 54 | | | 58 | 59 | |
| 61 | | 63 | | | | 68 | | 70 |
| | 72 | | | | | 78 | | |
| | 82 | | | | 86 | | | 90 |
| 91 | | | | | | | | |

| 2. | Skip count by 2's: | 2, 4, | , | , | , | , | , | , | |
|----|--------------------|-------|---|---|---|---|---|---|--|
|----|--------------------|-------|---|---|---|---|---|---|--|

- 3. Skip count by 3's: 3, 6, ____, ____, ____, ____, ____, ____, ____, ____, ____,
- 4. Skip count by 5's: 5, 10, ____, ____, ____, ____, ____, ____, ____, ____,
- 5. Find the sum:

| + 8 | + 2 | 4 + 5 | 10 + 0 | 5 + 10 | + 3 |
|----------|----------|-----------|-----------|-----------|-----------|
| 7 + 5 | 4 + 5 | 10 + 7 | 6 + 9 | 0 + 1 | 10 + 9 |
| 9 + 4 | + 8 | 2 + 10 | + 5 | + 8 | + 0 |
| + 2 | + 5 | 10 + 3 | + 7 | + 4 | + 3 |

6. List the value of each coin:



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

| 10 | | 35 | | |
|----|----|----|--|-----|
| 55 | 80 | | | 100 |

- 8. Write these numbers from least to greatest: 21, 16, 35, 8.
 - A. 35, 21, 16, 8
 - B. 8, 16, 21, 35
 - C. 16, 21, 35, 8
- 9. Which sequence below on has even numbers?
 - A. 2, 8, 16, 10, 49
 - B. 4, 5, 6, 7, 8, 9
 - C. 8, 16, 24, 32, 40

10. Draw a line to match the coin with its name:













Back of Penny

Front of Nickel

Front of Quarter

Back of Quarter

Front of Penny

Front of Dime

11. Find the sum:

Select the one best answer for each question:

- 12. Which number is ONE MORE than 27?
 - A. 26
 - B. 37
 - C. 28

13. What number is represented by the following?



- B. 6
- C. 24

14. How can you make 8 cubes?

- A. 2 cubes plus 5 cubes
- B. 1 cube plus 8 cubes
- C. 2 cubes plus 6 cubes

- 15. Sally and Dan are coming over at 2 o'clock to play and they have to go home at 5 o'clock. How many hours can you play together?
 - A. 2 hours
 - B. 3 hours
 - C. 5 hours
- 16. Which number sentence makes 10?
 - A. 2+7
 - B. 3+8
 - C. 4+6

17. Which of the following groups of stars has more stars in it?



- A. Group A
- B. Group B
- 18. Amanda looked at the night sky. She saw 12 stars. Then she saw 7 more stars. Which number sentence shows how she counted the total number of stars she saw?
 - A. 12 7 = 5
 - B. 12 + 7 = 5
 - C. 12 + 7 = 19

19. Write the missing numbers in the skip counting series:



- 20. Isiah had 14 markers. Then Karla gave him 9 more. Make a drawing to show how you would solve this problem. Then circle your answer.
 - A. 5
 - B. 25
 - C. 23

21. Since 3 + 6 = 9, then which subtraction is also correct?

- A. 3-6=9
- B. 6-3=9
- C. 9 3 = 6
- 22. Solve the following problem using a drawing:8 birds were sitting in a tree. 3 flew away. How many are left?

_____ birds are left.

23. Find the difference.

- 24. What is the unknown number in 10 ____ = 6 ?
 - A. 4
 - B. 6
 - C. 16

25. Write the missing numbers. Skip count by 5's.



26. Add 22 + 5 without using a calculator or your fingers.

- A. 25
- B. 27
- C. 29

27. Find the difference.

| - 3 | - 28 | - 35 | - 54 | - 65 | - 15 |
|-----|------|------|------|------|------|
| | | | | | |

28. The movie begins at 3:00pm and ends at 6:00pm. How long is the movie?

- A. 2 hours
- B. 3 minutes
- C. 3 hours
- 29. Write the missing numbers. Skip count by 10's.
 - 25, ____, ____, ____, ____

30. Find the sum:

| 29 | 43 | 60 | 41 | 82 | 0 |
|------|------------|------|------|------|-------------|
| + 18 | <u>+ 1</u> | + 88 | + 27 | + 45 | <u>+ 19</u> |
| 85 | 58 | 97 | 9 | 52 | 96 |
| + 79 | + 54 | + 51 | + 97 | + 58 | + 94 |

- 31. Melissa had 22 stones. Her mother gave her 30 more stones. How many stones did she have altogether?
 - A. 25
 - B. 32
 - C. 52

32. Subtract 16 – 2 without using a calculator.

A. 12

- B. 10
- C. 6

33. Look at the clock. What time is displayed?



- C. 6:20
- 34. This number line only shows the number 8. Write where the number 4 should be.



35. Which clock reads 2:30?



36. Skip count.



37. Find the difference.

| 5 | 11 | 2 | 12 | 11 | 9 | 12 |
|-----|-----|-----|------------|-----|-----|-----|
| - 0 | - 9 | - 2 | <u>= 5</u> | - 6 | - 9 | - 6 |
| | | | | | | |
| | | | | | | |
| 10 | 1.5 | - | 1.5 | 10 | 10 | 1.5 |
| 10 | 13 | / | 15 | 13 | 10 | 15 |
| - 9 | - 7 | - 3 | <u>- 9</u> | - 4 | - 8 | - 6 |
| | | | | | | |

38. What time is it?



39. Find the missing numbers. Skip count.



Ask Mom or Dad for some coins to help with the following questions or draw the coins on paper.

- 40. Mike has 2 quarters in his pocket. He traded his 2 quarters with his friend Pam. They made an even trade. Mike got:
 - A. 25 pennies
 - B. 6 nickels
 - C. 5 dimes
- 41. 10 dimes are equal to:
 - A. 2 quarters
 - B. \$1.00
 - C. 10 cents
- 42. 1 quarter is equal to:
 - A. 1 dime and 5 pennies
 - B. 3 nickels
 - C. 1 nickel and 20 pennies
- 43. How much money is shown?



- A. 57 cents
- B. \$0.67
- C. \$67.00

44. Write these numbers from least to greatestt: 36, 12, 28, 7.

_____, ____, ____, _____

45. How much money is this?



- A. \$0.95
- B. \$1.02
- C. \$0.92
- 46. 23 is one more than _____
- 47. 56 is one less than _____
- 48. ______ is just before 12.
- 49. Jack had 50 cents. He lost 2 dimes. How much money does he have left?
 - A. 48 cents
 - B. 30 cents
 - C. 20 cents

50. Jane found 3 dimes and 1 nickel in her pocket. How much money does she have?

A. 4 cents

- B. 31 cents
- C. 35 cents

51. Find the sum:

| 3 | 5 | 7 | 16 | 3 | 15 |
|------|-----|-----|-----|------|-----|
| + 6 | + 4 | + 2 | + 6 | + 5 | + 3 |
| 14 | 1 | 7 | 2 | 18 | 9 |
| + 10 | + 2 | + 7 | + 7 | + 10 | + 0 |

52. 16 is just after _____

53. ______ is between 44 and 46.

54. _____ is one more than 28.

55. Find the difference.

| 15 | 14 | 9 | 7 | 10 | 17 |
|------------|-----|-----|-----|------------|-----|
| - <u>4</u> | - 0 | - 8 | - 1 | - <u>3</u> | - 4 |
| 12 | - 7 | 18 | 2 | - 8 | 17 |
| - 7 | - 5 | - 6 | - 1 | | - 0 |

56. Art class starts at 10:00 am and ends at 11:30 pm. How long is art class?

A. 1 hour

B. 1 hour 30 minutes

C. 30 minutes

57. John had 15 cents. He bought candy for 10 cents. How much money does he have left?

- A. 5 cents
- B. 10 cents
- C. 25 cents

58. _____ is just before 81.

59. 92 is one less than _____

60. Stop signs have the shape of an octagon. How many sides do these signs have?



- A. 6 sides
- B. 10 sides
- C. 8 sides
- 61. Find the sum or difference.

| 9 | 6 | 3 | 6 | 7 | 8 |
|-----|-----|-----|------------|------------|-----|
| - 0 | + 3 | - 3 | - 2 | <u>+ 1</u> | - 0 |
| 1 | 5 | 3 | 8 | 1 | 7 |
| +3 | + 2 | - 0 | <u>+ 1</u> | + 2 | - 3 |
| 8 | 6 | 2 | 5 | 9 | 9 |
| - 3 | + 1 | + 0 | + 2 | - 0 | + 3 |

62. 19 is just after _____

63. _____ is just before 89.

64. What shape is the tool below?



- A. Square
- B. Rectangle
- C. Triangle

65. Which shape is a rectangle?



- 66. What is the shape of a penny and a dime?
 - A. An oval
 - B. A circle
 - C. A pentagon
- 67. Draw a square. How many sides does a square have?
 - A, Three
 - B. Five
 - C. Four
- 68. ______ is between 54 and 56.

69. Write the correct comparison symbol (< > =) in each box.



70. Find the sum or difference.

| 5 | 8 | 5 | 8 | 3 | 7 |
|-----|------------|-----|-----|-----|------------|
| +9 | - <u>4</u> | + 2 | - 5 | + 9 | <u>+ 4</u> |
| 5 | 1 | 0 | 5 | 5 | 3 |
| - 3 | - 0 | - 0 | + 8 | - 3 | - 0 |
| 3 | 4 | 2 | 5 | 7 | 9 |
| - 3 | + 0 | + 5 | - 3 | + 1 | - 0 |

71. What number is just before 40?

72. Jim likes to draw. He made a pattern. What would come next in his pattern?



- 73. What number is ten more than 37?
 - A. 36
 - B. 47
 - C. 38

74. Skip count.



75. Mrs. Dudley has 15 star stickers. Mrs. Wells has 1 fewer clown stickers. How many clown stickers does Mrs. Wells have?

_____ clown stickers\

76. Find the sum or difference.

| 99 | 69 | 55 | 86 | 47 | 55 |
|------|------|------|------|-------------|-------------|
| + 76 | - 31 | - 21 | + 12 | <u>+ 28</u> | - 41 |
| 26 | 10 | 56 | 19 | 23 | 73 |
| - 11 | + 42 | + 42 | + 37 | - 11 | <u>+ 81</u> |
| 68 | 59 | 23 | 82 | 35 | 53 |
| - 41 | - 31 | - 11 | + 75 | + 30 | + 95 |

77. Count backwards. Write the missing numbers.



78. Brent's favorite number is the one that comes just before 25. What is his favorite number?

_____ is his favorite number.

79. Write the missing numbers. Skip count.



80. Find the sum or difference.

81. Look at the pictograph. What hair color did most children in Mrs. Moss' class have?







88. How much does 2 quarters, 7 pennies, and 3 dimes equal?

89. Find the sums and differences.

| 695 | 666 | 686 | 659 | 622 | 924 |
|-------|-------|-------|-------|-------|-------|
| - 320 | + 131 | + 211 | - 241 | + 262 | - 212 |
| 626 | 831 | 434 | 622 | 812 | 455 |
| - 114 | + 115 | + 465 | - 410 | + 113 | - 141 |
| 866 | 899 | 445 | 249 | 462 | 858 |
| - 643 | - 585 | - 122 | - 125 | - 350 | - 315 |

90. 36 is one more than _____

91. _____ is just before 40.

92. Shade the Figure with the Indicated Fraction.



93. ______ is just after 22.

94. This number line only shows the number 5. Write where the numbers 3 and 8 should be.

95. What number is 5 less than 95?

96. What number is 5 more than 25?

97. Show how you can make 24 using tens and ones. Make a drawing of counters or tens blocks.

98. Show how you can make 115 using base-10 blocks drawings.

99. 3 + 5 + 2 = _____

100. 7 + 3 + 5 = _____

| | 1 | - |
|------|-----------------------------|---|
| | 2 | _ |
| | 3 | _ |
| | 4 | - |
| | 5 | _ |
| 102. | Find the sum or difference. | |

| 68 | 87 | 88 | 89 | 88 | 62 |
|------|-------------|-------------|------|-------------|-------------|
| - 44 | <u>+ 12</u> | <u>+ 11</u> | - 77 | - 68 | + 13 |
| 59 | 48 | 77 | 66 | 71 | 54 |
| - 59 | + 51 | <u>+ 11</u> | + 33 | <u>+ 18</u> | - 32 |
| 51 | 94 | 87 | 86 | 27 | 41 |
| + 43 | - 73 | - 46 | - 72 | + 72 | <u>+ 16</u> |

103. Sara grew 19 watermelons, Sandy grew 25 watermelons, and Dan grew 48 watermelons. How many watermelons did they grow in total?

_____ watermelons

104. Fred had 21 dimes in his bank. His dad gave him 43 dimes and his mother gave him 22 dimes. How many dimes does Fred have now?

_____ dimes

105. Jessica went to 17 baseball games this month. She went to 11 games last month, and plans to go to 18 games next month. How many games will she attend in all?

_____ baseball games

106. Mary found 21 seashells, Joan found 45 seashells, and Jessica found 47 seashells on the beach. How many seashells did they find together?

_____ seashells

107. Find the sum or difference.

| 68 | 98 | 76 | 55 | 73 | 67 |
|------|------|------|------|-------------|------|
| + 31 | - 92 | - 64 | - 31 | <u>+ 21</u> | - 57 |
| 78 | 74 | 33 | 79 | 20 | 56 |
| - 21 | + 13 | + 13 | - 53 | + 43 | - 44 |

108. Skip count.



109. Sara packed 38 limes, Alyssa picked 28 limes, and Jason picked 23 limes from the lime tree. How many limes were picked in all?

_____ limes

110. There are 37 pencils in the drawer. Mary took 12 pencils from the drawer. How many pencils are now in the drawer?

_____ pencils

111. Fred picked 40 limes from the orchard and gave 12 limes to Jason. How many limes does Fred have now?

_____ limes

112. Alyssa had 34 quarters. She spent 19 of her quarters. How many quarters does she have now?

_____ quarters

113. _____ is five before 75.

114. Find the sum or difference.

| 78 | 76 | 32 | 95 | 66 | 91 |
|-----|-----|-----|-----|------------|-----|
| - 2 | - 1 | + 5 | - 4 | - 5 | + 3 |
| 67 | 74 | 58 | 92 | 81 | 26 |
| - 2 | - 4 | - 2 | + 6 | <u>+ 7</u> | + 1 |
| 98 | 79 | 97 | 2 | 71 | 67 |
| - 2 | - 1 | - 1 | | + 7 | + 1 |

```
   115. Skip count.

   3, 6, 9, __, __, , __, , __, __, __

   8, 16, 24, __, __, , __, __, __

   2, 4, 6, __, __, __, __, __, __

   6, 12, 18, __, __, __, __, __, __

   4, 8, 12, __, __, __, __, __, __
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