Excellent websites for fun learning and reinforcement of math skills:
www.wildmath.com Select "Play the game". Select addition or subtraction and grade. You can race to beat your time.
www.harcourtschool.com Click the red box, select math, select HSPMath, select Michigan, click on the ' 1 l " ball or "2" ball for a challenge. Select a game. Addition Surprise, Addition Bricks, E-lab Number Patterns are very good.
www.aplusmath.com go under "Flashcards" or "Game Room" on the left side of the screen. They can practice adding and subtracting.
www.mathisfun.com 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.
www.eduplace.com 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.
www.aaamath.comAt 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.

Entering Second Grade Summer Math Packet

First Name: $\qquad$ Last Name: $\qquad$

Second Grade Teacher: $\qquad$

I have checked the completed work: $\qquad$
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, $\qquad$ , $\qquad$
$\qquad$
$\qquad$ , $\qquad$ ,
3. Skip count by 3's: 3, 6, $\qquad$ - $\qquad$ — $\qquad$ , $\qquad$ , $\qquad$
4. Skip count by 5's: 5, 10, $\qquad$ , $\qquad$ , $\qquad$ , $\qquad$ , $\qquad$
5. Find the sum:

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:
$\begin{array}{r}11 \\ +14 \\ \hline\end{array}$

$\begin{array}{r}13 \\ +\quad 7 \\ \hline\end{array}$
$\begin{array}{r}5 \\ +\quad 1 \\ \hline\end{array}$
3
$+12$

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?

A. 42
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?


B

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:

2, 4, 6, _, _, _, _, _, _, _, _, _
$10,20,30, \ldots, \ldots, \ldots, \ldots, \ldots, \ldots, \ldots, \ldots,-$




6, 12, 18, _, _, -, -, -, -, - -, -

8, 16, 24, _, _, _, _, _, _, -_, -, -
 3, 6, 9, _, _, -, -, -, _, —, -, -
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?
$\qquad$ birds are left.
23. Find the difference.

24. What is the unknown number in $10-\ldots=6$ ?
A. 4
B. 6
C. 16
25. Write the missing numbers. Skip count by 5's.
25 $\qquad$ 7 $\qquad$
$\qquad$ .45 50, $\qquad$ , $\qquad$ 50 35, $\qquad$ 3 $\qquad$ 35

$\qquad$
$\qquad$
$\qquad$ 95
26. Add $22+5$ without using a calculator or your fingers.
A. 25
B. 27
C. 29
27. Find the difference.

| 14 | 66 | 89 | 73 | 80 | 57 |
| ---: | ---: | ---: | ---: | ---: | ---: |
| $-\quad 3$ | -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.

$$
25,
$$

$\qquad$ , $\qquad$ -
30. Find the sum:

$$
\begin{array}{rrrrr}
29 & 43 & 60 & 41 & 82 \\
+18 & +\quad 1 & +88 & +27 & +45 \\
\hline
\end{array}
$$

| 85 |
| ---: |
| +79 |


$+94$
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?

A. $4: 06$
B. $4: 30$
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.




8, 16, 24, _, -, _, -, _, -, _, -, -



6, 12, 18, _, -, -, _, _, -, _, -, _


37. Find the difference.

| 5 | 11 | 2 | 12 | 11 | 9 | 12 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\underline{-0}$ | $\underline{-9}$ | $\underline{-2}$ | $\underline{-5}$ | $\underline{-6}$ | $\underline{-9}$ | $\underline{-6}$ |
|  |  |  |  |  |  |  |
| 10 | 13 | 7 | 15 | 13 | 10 | 15 |
| $\underline{-9}$ | $\underline{-7}$ | $\underline{-3}$ | $\underline{-9}$ | $\underline{-4}$ | $\underline{-8}$ | $\underline{-6}$ |

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: $36,12,28,7$.
$\qquad$ 1 $\qquad$ , :
45. How much money is this?

A. $\$ 0.95$
B. $\$ 1.02$
C. $\$ 0.92$
46. 23 is one more than $\qquad$
47. 56 is one less than $\qquad$
48. $\qquad$ 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:

52. 16 is just after $\qquad$
53. $\qquad$ is between 44 and 46 .
54. $\qquad$ is one more than 28.
55. Find the difference.
$\begin{array}{r}15 \\ -\quad 4 \\ \hline\end{array}$

$\begin{array}{r}17 \\ -\quad 4 \\ \hline\end{array}$

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. $\qquad$ is just before 81.
59. 92 is one less than $\qquad$
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.
$\begin{array}{r}9 \\ -\quad 0 \\ \hline\end{array}$
$\begin{array}{r}6 \\ +3 \\ \hline\end{array}$
$\begin{array}{r}3 \\ -\quad 3 \\ \hline\end{array}$
$\begin{array}{r}6 \\ -\quad 2 \\ \hline\end{array}$
$\begin{array}{r}7 \\ +1 \\ \hline\end{array}$
$\begin{array}{r}8 \\ -\quad 0 \\ \hline\end{array}$
$\begin{array}{r}1 \\ +3 \\ \hline\end{array}$
$\begin{array}{r}5 \\ +2 \\ \hline\end{array}$
$\begin{array}{r}3 \\ -\quad 0 \\ \hline\end{array}$
$\begin{array}{r}1 \\ +2 \\ \hline\end{array}$
$\begin{array}{r}7 \\ -\quad 3 \\ \hline\end{array}$
$\begin{array}{r}8 \\ -\quad 3 \\ \hline\end{array}$
$\begin{array}{r}6 \\ +1 \\ \hline\end{array}$
$\begin{array}{r}2 \\ +0 \\ \hline\end{array}$
$\begin{array}{r}5 \\ +2 \\ \hline\end{array}$

| 9 | 9 |
| ---: | ---: |
| -0 | +3 |

62. 19 is just after $\qquad$
63. $\qquad$ is just before 89.
64. What shape is the tool below?

A. Square
B. Rectangle
C. Triangle
65. Which shape is a rectangle?
A


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. $\qquad$ is between 54 and 56 .
69. Write the correct comparison symbol (<> =) in each box.
56 $\square$ 34

## $87 \quad \square$ <br> 93

70. Find the sum or difference.
$\begin{array}{r}5 \\ +9 \\ \hline\end{array}$
$\begin{array}{r}8 \\ -4 \\ \hline\end{array}$
$\begin{array}{r}5 \\ +2 \\ \hline\end{array}$
$\begin{array}{r}8 \\ -5 \\ \hline\end{array}$
$\begin{array}{r}3 \\ +9 \\ \hline\end{array}$
$\begin{array}{r}7 \\ +4 \\ \hline\end{array}$

$$
\begin{array}{rrrrrr}
5 & 1 & 0 & 5 & 5 & 3 \\
-3 & -0 & -0 & +8 & -3 & -0 \\
\hline & & & & & \\
& & & & & \\
3 & 4 & 2 & 5 & 7 & 9 \\
-3 & +0 & +5 & -3 & +1 & -0 \\
\hline
\end{array}
$$

71. What number is just before 40 ?
72. Jim likes to draw. He made a pattern. What would come next in his pattern?

A.


B


73. What number is ten more than 37 ?
A. 36
B. 47
C. 38
74. Skip count.
$4,8,12$

- $\qquad$
$\qquad$
$\qquad$
$\qquad$ -
$6,12,18$ $\qquad$
$\qquad$
$\qquad$
$\qquad$
$3,6,9, \ldots, \ldots, \ldots, \ldots, \ldots, \ldots$
$7,14,21, \ldots, \ldots, \ldots, \ldots, \ldots, \ldots$

75. Mrs. Dudley has 15 star stickers. Mrs. Wells has 1 fewer clown stickers. How many clown stickers does Mrs. Wells have?
$\qquad$ clown stickers \}
76. Find the sum or difference.

77. Count backwards. Write the missing numbers.

20, 19, 18, $\qquad$ , $\qquad$
$\qquad$ , $\qquad$ , $\qquad$ , 12

87, 86, 85, $\qquad$ , $\qquad$ , $\qquad$ , $\qquad$ , $\qquad$ , 79都
79. Write the missing numbers. Skip count.

80. Find the sum or difference.

| 779 | 384 | 453 | 755 | 326 |
| ---: | ---: | ---: | ---: | ---: |
| -347 | $-\quad 240$ | +343 | -541 | -210 |


| 216 | 888 | 689 | 275 | 588 |
| ---: | ---: | ---: | ---: | ---: |
| +753 | -152 | -517 | +312 | +311 |

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

Hair Color in Mrs Mose Class
A. Black

black brown blond
82. Write the Correct Comparison Symbol ( $\gg<$ or $=$ ) in each box.
93

20
34

27



17


$28 \quad 34$

45

65

47
83. How much does 3 nickels equal? $\qquad$
84. How much does 5 dimes equal? $\qquad$
85. How much does 5 quarters equal? $\qquad$
86. How much does 5 nickels, 3 pennies, and 2 quarters equal? $\qquad$
87. How much does 11 pennies, 2 nickels, and 1 dime equal? $\qquad$
88. How much does 2 quarters, 7 pennies, and 3 dimes equal? $\qquad$
89. Find the sums and differences.

$$
\begin{array}{rrrrr}
695 & 666 & 686 & 659 & 622 \\
-320 & +131 & +211 & -241 & +262 \\
\hline
\end{array}
$$

$$
\begin{array}{rrrrr}
626 & 831 & 434 & 622 & 812 \\
-114 & +115 & +465 & -410 & +113 \\
\hline
\end{array}
$$

$$
\begin{array}{rrrrr}
866 \\
-643 & -599 & 445 & 249 & 462 \\
- & -122 & -125 & -350 & -315 \\
\hline
\end{array}
$$

90. 36 is one more than $\qquad$
91. $\qquad$ is just before 40.
92. Shade the Figure with the Indicated Fraction.

93. $\qquad$ 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 ?
$\qquad$
96. What number is 5 more than 25 ?
$\qquad$
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. $3+5+2=$ $\qquad$
100. $7+3+5=$ $\qquad$
101. Write 5 different number facts that equal nine (example: $2+7$ )
102. $\qquad$
103. $\qquad$
104. $\qquad$
105. $\qquad$
$\qquad$
106. Find the sum or difference.

$$
\begin{array}{rrrrr}
68 & 87 & 88 & 89 & 88 \\
-44 & +12 & +11 & -77 & -68 \\
\hline
\end{array}
$$

$$
\begin{array}{rrrrr}
59 & 48 & 77 & 66 & 71 \\
-59 & +51 & +11 & +33 & +18 \\
\hline
\end{array}
$$

$$
\begin{array}{rrrrrr}
51 & 94 & 87 & 86 & 27 & 41 \\
+43 & -73 & -46 & -72 & +72 & +16 \\
\hline
\end{array}
$$

103. Sara grew 19 watermelons, Sandy grew 25 watermelons, and Dan grew 48 watermelons. How many watermelons did they grow in total?
$\qquad$ 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?
$\qquad$ 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?
$\qquad$ 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?
$\qquad$ seashells
107. Find the sum or difference.

108. Skip count.
$\qquad$

$$
\begin{aligned}
& 3,6,9, \ldots, \ldots, \ldots, \ldots \\
& \text { 2, } 4 \\
& 6
\end{aligned}
$$

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?
$\qquad$ limes
110. There are 37 pencils in the drawer. Mary took 12 pencils from the drawer. How many pencils are now in the drawer?
$\qquad$ pencils
111. Fred picked 40 limes from the orchard and gave 12 limes to Jason. How many limes does Fred have now?
$\qquad$ limes
112. Alyssa had 34 quarters. She spent 19 of her quarters. How many quarters does she have now?
$\qquad$ quarters
113. $\qquad$ is five before 75 .
114. Find the sum or difference.

$$
\begin{aligned}
& \begin{array}{r}
78 \\
-\quad 26 \\
-\quad 1 \\
\hline
\end{array} \\
& \begin{array}{r}
67 \\
-\quad 2 \\
-\quad 4 \\
\hline
\end{array} \\
& \begin{array}{r}
98 \\
-\quad 2 \\
\hline
\end{array}
\end{aligned}
$$

115. Skip count.
$3,6,9, \ldots, \ldots, \ldots, \ldots, \ldots$
$8,16,24, \ldots, \ldots, \ldots, \ldots, \ldots$
$2,4,6, \ldots, \ldots, \ldots, \ldots, \ldots$
$6,12,18, \ldots, \ldots, \ldots, \ldots, \ldots$
$4,8,12, \ldots, \ldots, \ldots, \ldots, \ldots$
