

Summer Math Reinforcement Packet for Students Entering 3rd Grade

Dear 3rd Grade Parents,

Welcome to 3rd grade! I want to thank you in advance for your support and reinforcement at home. I hope your family is able to kick back and relax this summer, especially after this year. In an effort to keep up with Math facts learned with Miss Moser, I am providing a Math packet that the students can work on at their leisure. I found that the best practice would be to do a few problems a day. Please do not have the students complete the entire packet in one sitting. This is a great opportunity to begin setting small goals.

The third grade math program will add onto the second grade skills, so any time spent learning or reinforcing these concepts will be very beneficial for your child. In addition, there are a lot of concepts that the students will learn in 3rd grade including multiplication and division. Each year builds upon the previous year's skills in math. It's never too early to purchase a set of multiplication flash cards to practice on the way to ball games, the pool, or even on your way to drop off the kids at grandparents' house! **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.**

If you misplace your packet, or need another one, please check the St. Aloysius website at www.saintaloyssiusschool.com. Go to the Academics tab then click Summer Enrichment. I am looking forward to working with you and your child this year.

Enjoy your summer!

Sincerely,

Mr. Anthony Palmieri
Third Grade Teacher
apalmieri@saintaloysius.net

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 "2" ball or "3" ball for a challenge. Select a game.

www.aphusmath.com Go under "Flashcards" or "Game Room" on the left side of the screen. They can practice adding and subtracting. Very important to know the addition facts and subtraction facts from memorization or within a couple seconds.

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. At the 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 2". 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.aamath.com At the top pick "Second" or "Third" 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 a good ones.

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

Other games and activities you can play:

- Take a deck of cards and remove the face cards (kings, queens, jacks). Aces are one. Divide the cards evenly among the players. Keep cards face down in a pile. Each player turns over 3 cards and tries to make their largest number they can with their 3 cards. Everyone must read their number and the one with the largest number collects all the cards. The player with the most cards at the end of the game is the winner. You can play smallest card version to change it up.
- Using sidewalk chalk, have them count by 3's or 4's.
- Play a game while in the car or waiting in line.

What number comes before 260?	What number comes after 529?
750 is one more than ____? (749)	339 is one less than ____? (340)
- Practice counting by 5's, 10's, or 2's. When standing in line or driving in a car you give them a number and have them count by 5's or 10's from that number. Ex. Start with 35 and count by 10's. Start with 55 and count by 5's.
- 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. With subtraction you can change one of the cards to add a 10 to it. For example you have the cards 4 and 2. You can add ten to any one of card to make it $12 - 4$, or $14 - 2$.
- Play store and practice counting change. Give allowances in change and have them count it.

Entering Third Grade Summer Math Packet

First Name: _____

Last Name: _____

Third Grade Teacher: Mr. Palmieri

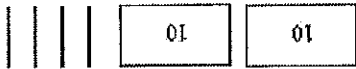
I have checked the work completed


Parent signature _____


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. 

B. 

C. 

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:

$$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

6. Find the difference:

$$\begin{array}{r} 15 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -3 \\ \hline \end{array}$$

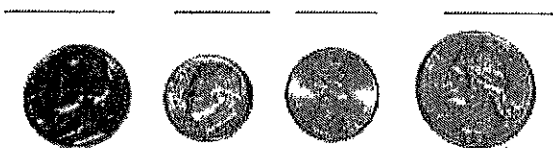
$$\begin{array}{r} 12 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$$

7. List the value of each coin.

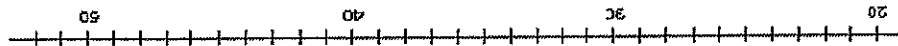


8. Count the coins from someone in your house. Ask for their permission first. Draw the coins out if needed. (Up to \$2.00)

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

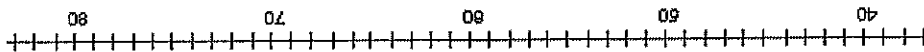
- A. $98 + 2$
- B. $87 + 23$
- C. $66 + 34$

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. $100 + \underline{\quad} = 55$
- B. $55 + \underline{\quad} = 100$
- C. $100 + 55 = \underline{\quad}$

14. Find the missing value in this number sentence: $13 + \underline{\quad} = 68$.

- A. 37
- B. 45
- C. 55

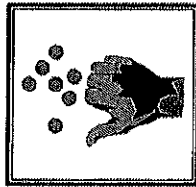
15. To find the missing value in this number sentence $29 + \underline{\quad} = 88$, you should-

- 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!

$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +3 \\ \hline \end{array}$
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$\begin{array}{r} 6 \\ +7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$
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$\begin{array}{r} 19 \\ -3 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ -8 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ -3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$
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$\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -8 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ -8 \\ \hline \end{array}$
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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).

$\begin{array}{r} 28 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 34 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} 47 \\ -19 \\ \hline \end{array}$	$\begin{array}{r} 75 \\ -37 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ -14 \\ \hline \end{array}$	$\begin{array}{r} 41 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 69 \\ -5 \\ \hline \end{array}$
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26. There were 654 geese on a pond when another flock of 135 geese arrived. How many geese were on the pond then?
27. The sum of 587 and 221 is closest to
- A. 789
 B. 799
 C. 889
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

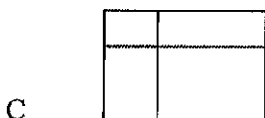
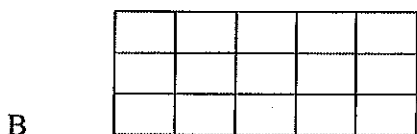
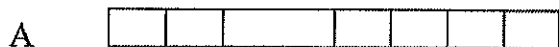
39. It took Jon a month to save \$5.00. How many months will he have to save money to buy a \$25.00 skateboard?

- A. 2
- B. 5
- C. 20

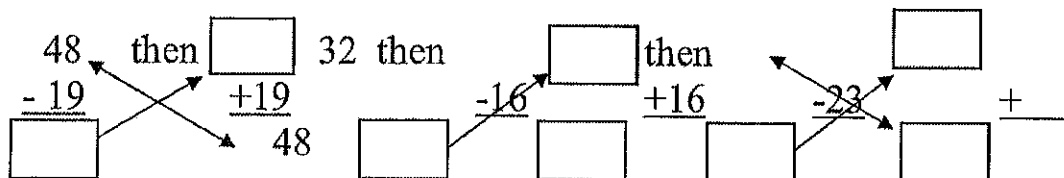
40. Baliee has 12 Yugi-Oh cards. She wants to share them equally with 3 friends. Which number sentence shows this situation?

- A. $12 - 3 = 9$
- B. $12 \div 3 = 9$
- C. $12 \div 3 = 4$

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



42. Find the difference then check your answer by adding.



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00000
00000
00000

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

Which operation best shows how she arranged them?

- A. 4×5
- B. $4 + 5$
- C. 5×5

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:

$\begin{array}{r} 25 \\ +11 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ +29 \\ \hline \end{array}$	$\begin{array}{r} 26 \\ +37 \\ \hline \end{array}$	$\begin{array}{r} 58 \\ +15 \\ \hline \end{array}$	$\begin{array}{r} 69 \\ +26 \\ \hline \end{array}$	$\begin{array}{r} 39 \\ +89 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ +17 \\ \hline \end{array}$
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$\begin{array}{r} 10 \\ - 9 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ - 9 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ - 6 \\ \hline \end{array}$
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$\begin{array}{r} 41 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 67 \\ - 28 \\ \hline \end{array}$	$\begin{array}{r} 41 \\ - 23 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ - 42 \\ \hline \end{array}$	$\begin{array}{r} 38 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 42 \\ - 13 \\ \hline \end{array}$	$\begin{array}{r} 59 \\ - 21 \\ \hline \end{array}$
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49. Fill in the blanks, skip count by 5's.

25, _____, _____, _____, _____

50, _____, _____, _____, _____

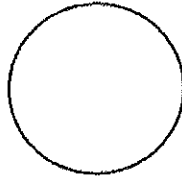
50. Tina is having a birthday party. She has invited 20 friends. Each of her tables seats four people. How many tables does she need?

- A. 4
- B. 5
- C. 6

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

- 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?

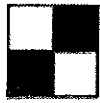
- A. $\frac{1}{2}$
- B. $\frac{1}{4}$
- C. $\frac{3}{4}$

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. $\frac{1}{2}$
- B. $\frac{1}{3}$
- C. $\frac{2}{3}$

54. This picture shows which fraction?



- A. $\frac{2}{2}$
- B. $\frac{2}{4}$
- C. $\frac{4}{4}$

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

- A. You can have $\frac{1}{10}$ of my candy bar.
- B. You can have $\frac{1}{6}$ of my candy bar.
- C. You can have $\frac{1}{2}$ of my candy bar.

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

- A. A
- B. B
- C. C

56. A pan of brownies is cut into twelfths ($\frac{1}{12}$). 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.)

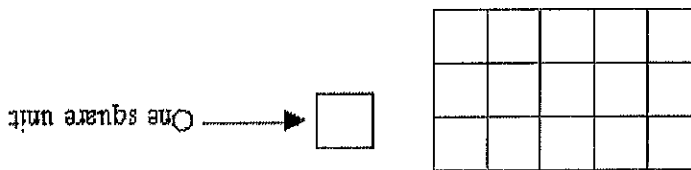


- A. 3 triangles
- B. 6 triangles
- C. 8 triangles

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?

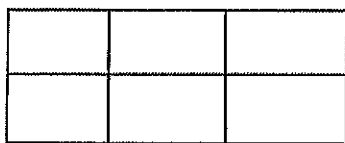


- A. 8 square units
- B. 15 square units
- C. 16 square units

61. Write seven hundred eight _____

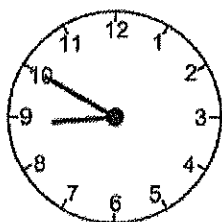
62. Write eight hundred eighty-eight _____

63. Find the area of this rectangle.



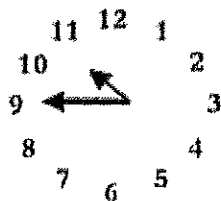
- A. 2 square units
- B. 3 square units
- C. 6 square units

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?

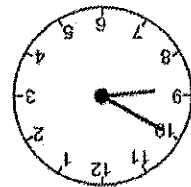


- A. 11:45
- B. 10:45
- C. 9:10

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:

$\overline{17}$	$\overline{14}$	$\overline{13}$	$\overline{10}$	$\overline{9}$	$\overline{8}$	$\overline{6}$	$\overline{5}$
$\overline{9}$	$\overline{4}$	$\overline{8}$	$\overline{6}$	$\overline{3}$	$\overline{2}$	$\overline{10}$	$\overline{7}$
17	4	13	7	9	6	10	9

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:

$$\begin{array}{r} 39 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ +33 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ +23 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ +35 \\ \hline \end{array}$$

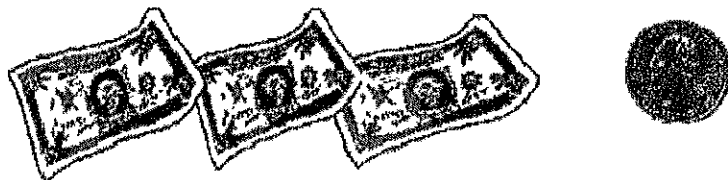
$$\begin{array}{r} 24 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ +21 \\ \hline \end{array}$$

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?

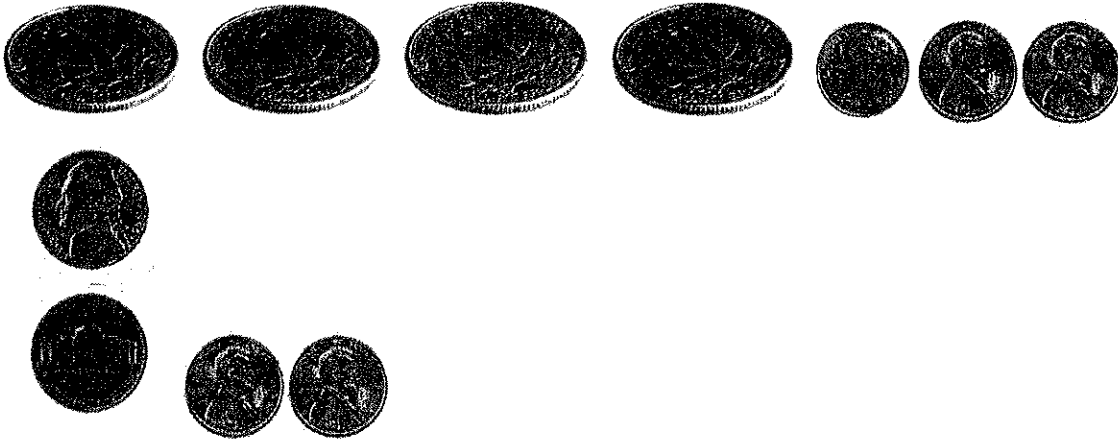
- A. \$1.56
- B. \$2.10
- C. \$61.50

76. Jenn had \$4.30. She lost 40 cents. How much money does Jenn have now?

- A. \$0.30
- B. \$3.90
- C. 4.70

84. Write six hundred forty-one _____
83. Write in words 701 _____
82. Write in words 340 _____
81. Write in words 403 _____
- A. 9 feet
B. 11 feet
C. 56 feet
80. Two tables are pushed together to make more room for a big dinner. One table is 5 feet long and the other table is 6 feet long. How long are the two tables together?
- A. \$4.00
B. \$4.97
C. \$8.97
79. Tamara has \$12.97. She spends \$8 on a new doll. How much money does she have left?
- A. \$1.25
B. \$2.75
C. \$77.00
78. Kate has \$2.00. Her mom gave her 75 cents. How much money does she have now?
- A. \$2.00
B. \$4.00
C. \$4.05
77. Dominick has \$2.05. He gets two dollars for his allowance. How much money will Dominick have?

85. Mom would like new pink nail polish. It costs \$1.19. She asks you to count the change in her wallet. You find:



You report to mom:

- A. There is not enough money to buy the nail polish.
- B. There is exactly enough money to buy the nail polish.
- C. There is more than enough money to buy the nail polish.

86. Find the sum or difference.

$\begin{array}{r} 28 \\ +38 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ -13 \\ \hline \end{array}$	$\begin{array}{r} 66 \\ +26 \\ \hline \end{array}$	$\begin{array}{r} 74 \\ -38 \\ \hline \end{array}$	$\begin{array}{r} 56 \\ -27 \\ \hline \end{array}$	$\begin{array}{r} 39 \\ +29 \\ \hline \end{array}$	$\begin{array}{r} 60 \\ -23 \\ \hline \end{array}$
--	--	--	--	--	--	--

$\begin{array}{r} 47 \\ +27 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ -24 \\ \hline \end{array}$	$\begin{array}{r} 33 \\ +33 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ +59 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ -46 \\ \hline \end{array}$	$\begin{array}{r} 71 \\ -27 \\ \hline \end{array}$	$\begin{array}{r} 42 \\ +29 \\ \hline \end{array}$
--	--	--	--	--	--	--

$\begin{array}{r} 57 \\ -25 \\ \hline \end{array}$	$\begin{array}{r} 28 \\ +48 \\ \hline \end{array}$	$\begin{array}{r} 53 \\ -25 \\ \hline \end{array}$	$\begin{array}{r} 42 \\ +44 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ -21 \\ \hline \end{array}$	$\begin{array}{r} 61 \\ -24 \\ \hline \end{array}$	$\begin{array}{r} 66 \\ -34 \\ \hline \end{array}$
--	--	--	--	--	--	--

87. Joe draws a shape that has 3 sides and 3 angles. What shape did he draw?

- A. Triangle
- B. Circle
- C. Square

88. What do all squares have?

- A. 4 unequal sides
- B. 4 equal sides
- C. 6 equal sides

89. Joe draws a shape that has 3 sides and 3 corners. What shape did he draw?

- A. Square
- B. Circle
- C. Triangle

90. What shape is this?

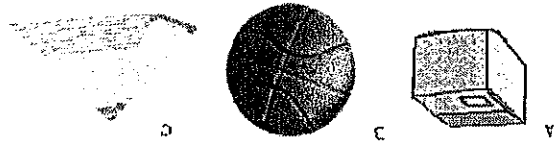


- A. Semicircle
- B. Sphere
- C. Circle

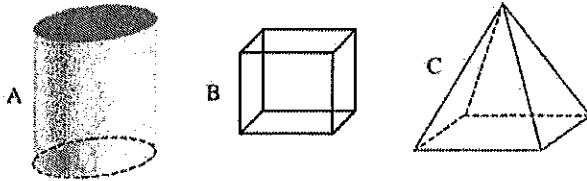
91. Which of the following would have a curved surface?

- A. Cardboard box
- B. Soup can
- C. Stop sign

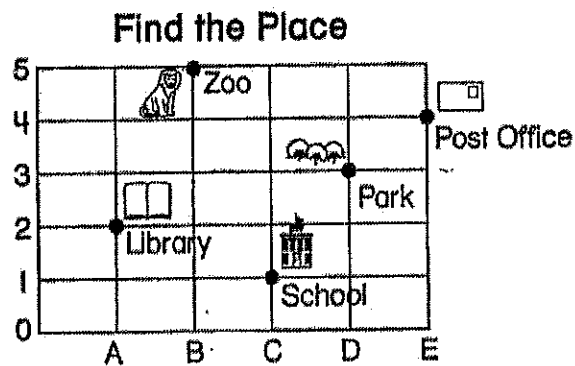
92. What shape has a curved surface?



93. Which of these has six sides?



94. On this map, each side of a square is one block. Matt started at (C, 1), the School. He went up 2 blocks and right 1 block. Where is he now?



- A. Post Office
- B. Park
- C. Library

95. Find the sum:

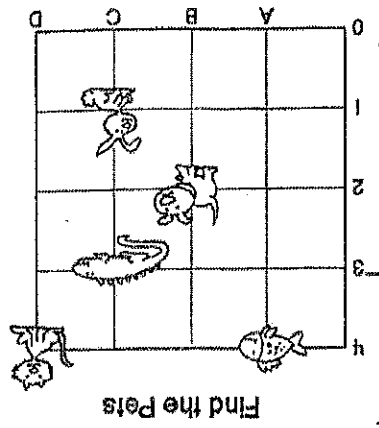
8	6	4	7	2	3	9
<u>+8</u>	<u>+6</u>	<u>+4</u>	<u>+7</u>	<u>+2</u>	<u>+3</u>	<u>+9</u>

5	10	12	14	11	13
<u>+5</u>	<u>+10</u>	<u>+12</u>	<u>+14</u>	<u>+11</u>	<u>+13</u>

98. What place value is the underline digit? 647

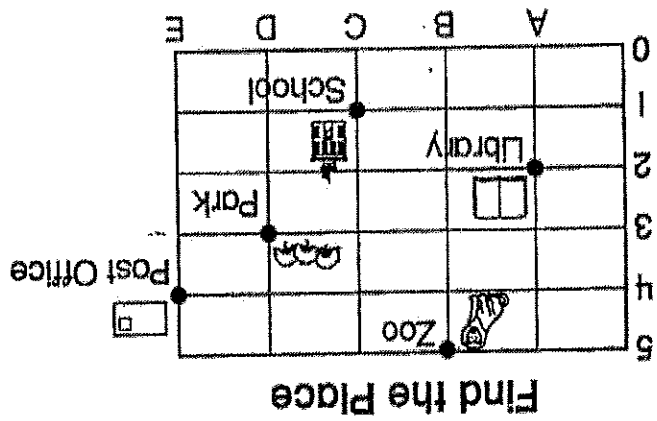
A. Hundreds
 B. Tens
 C. Ones

A. (B, 2)
 B. (C, 1)
 C. (C, 3)



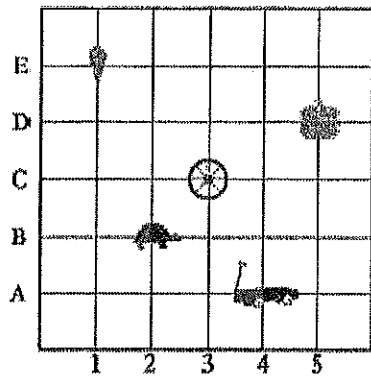
97. Where is the bunny located?

A. Post Office
 B. Library
 C. Zoo



96. What place is located at (B, 5)?

99. Where is the turtle located?



- A. (3, B)
- B. (2, C)
- C. (2, B)

100. Use this graph about Pizza Day for the following questions.

Each  stands for 3 slices.

Matt



Sue



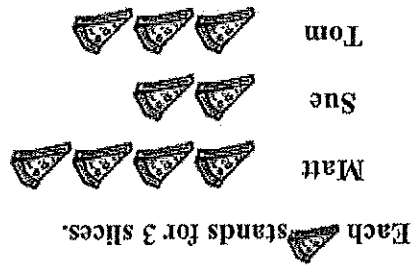
Tom



How many pieces of pizza did Matt eat?

- A. 4
- B. 9
- C. 12

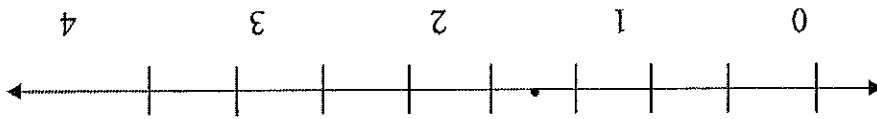
101. Use this graph about Pizza Day for the following question.



How many more slices of pizza does Tom have than Sue?

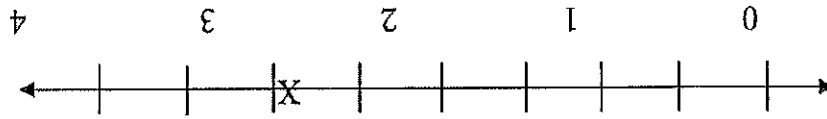
- A. 3
- B. 2
- C. 1

102. Which appears to be the location of the point marked on the number line?



- A. 1
- B. $\frac{1}{2}$
- C. $1\frac{1}{2}$

103. What location is the X marked on the number line below?



- A. $1\frac{1}{2}$
- B. $2\frac{1}{2}$
- C. $3\frac{1}{2}$

104. Use the graph about Pizza Day for the following question.



How many slices of pizza do Matt and Tom have together?

- A. 7
- B. 15
- C. 21

105. Find the sum or difference:

29	17	58	32	17	51	44
<u>+23</u>	<u>+18</u>	<u>-24</u>	<u>+22</u>	<u>+43</u>	<u>-27</u>	<u>+17</u>

74	45	88	72	54	33	54
<u>-26</u>	<u>-15</u>	<u>+18</u>	<u>-37</u>	<u>+34</u>	<u>+33</u>	<u>-18</u>

106. Complete these number patterns.

3, 6, 9, _____, _____, _____, _____, _____

4, 8, 12, _____, _____, _____, _____, _____

45, 50, _____, _____, _____, _____

122 _____
222

105 _____
150

250 _____
112

78 _____
98

110. Use < or > to show which number is larger.

Write the number twenty-seven: _____

Write the number eighty-nine: _____

Write the number forty-five: _____

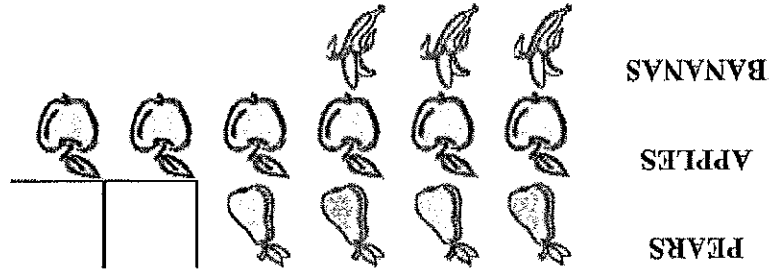
109. Write the number sixty-three: _____

C. 12

B. 8

A. 6

How many apples are there altogether?



108. Each picture in this graph stands for 2 pieces of fruit.

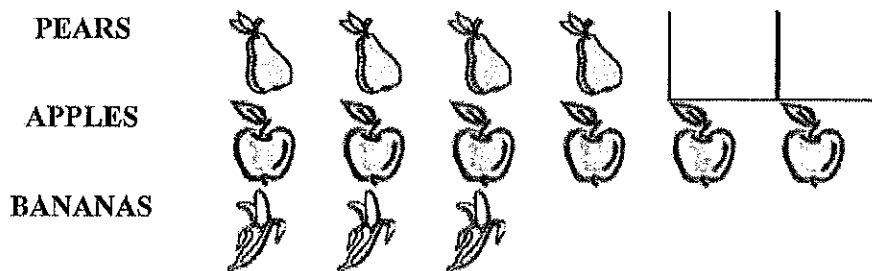
C. 300, 400, _____, _____, 700, _____

B. 240, _____, 260, 270, _____

A. 813, 814, 815, _____, _____, _____

107. Fill in the numbers to complete each pattern:

111. Each picture in this graph stands for 2 pieces of fruit.



How many more pears are there than bananas?

- A. 1
- B. 2
- C. 7

112. Complete these number patterns:

25, 30, 35, _____, _____, _____

9, 12, 15, _____, _____, _____

130, 140, 150, _____, _____, _____

113. Sam is making 5 apple pies. He uses 4 apples in each pie. How many apples will Sam use altogether? Draw a picture to show this.

Picture:

Answer: _____

114. Maria is going to open a lemonade stand. It takes 5 lemons to make a pitcher of lemonade. How many lemons will she need to make 5 pitchers of lemonade?

Draw a picture:

Answer: _____ lemons

115. Place an X where this number should go on the number line:
 $\frac{1}{2}$

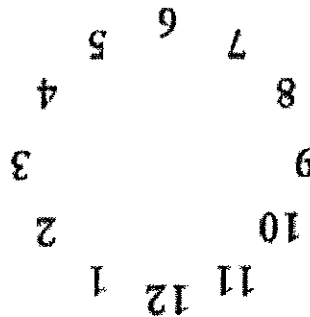


116. Two students were arguing about fractions. Pat said that $\frac{6}{6}$ is more than $\frac{3}{3}$. Chris said they are equal. Who do you agree with?

A. Pat
 B. Chris

Draw a picture to explain your answer.

117. Draw hands on this clock face to show 20 minutes after 8



118. My piggy bank has 3 quarters, 3 dimes, 3 nickels, and 7 pennies. Write the amount of the quarters, dimes, nickels, and pennies in decimal form.

Total money in quarters \$ _____

Total money in dimes \$ _____

Total money in nickels \$ _____

Total money in pennies \$ _____

Total money altogether \$ _____

119. Write fifteen dollars and 65 cents in decimal form.

120. Write the value of this money in decimal form.

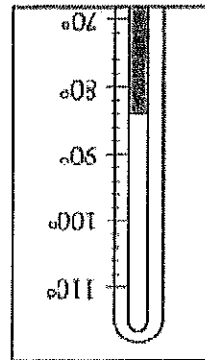


121. What is the name of the shape that is created when these two triangles are put together along their long edges?




- A. Square
- B. Rectangle
- C. Circle

122. What is the temperature shown on the thermometer? Each mark stands for 2 degrees.



degrees

123.

Kelly placed a tile on the table like this:  Sara came by and turned the tile



like this: Sara said "It is still a square." Is she right? Explain your answer.

124. What is the place value of the underline digit, hundred, ten or one?

3 <u>6</u> 8	_____	_____
48 <u>7</u>	_____	_____
<u>2</u> 37	_____	_____
<u>2</u> 6	_____	_____

125. Find the sum or difference: Remember when subtracting always tell yourself "Bottom bigger better borrow".

$\begin{array}{r} 135 \\ +479 \\ \hline \end{array}$	$\begin{array}{r} 546 \\ +137 \\ \hline \end{array}$	$\begin{array}{r} 71 \\ -18 \\ \hline \end{array}$	$\begin{array}{r} 50 \\ -26 \\ \hline \end{array}$	$\begin{array}{r} 354 \\ -235 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ -42 \\ \hline \end{array}$	$\begin{array}{r} 426 \\ -135 \\ \hline \end{array}$
--	--	--	--	--	--	--

$\begin{array}{r} 42 \\ +18 \\ \hline \end{array}$	$\begin{array}{r} 54 \\ -39 \\ \hline \end{array}$	$\begin{array}{r} 135 \\ -53 \\ \hline \end{array}$	$\begin{array}{r} 32 \\ -28 \\ \hline \end{array}$	$\begin{array}{r} 88 \\ +13 \\ \hline \end{array}$	$\begin{array}{r} 81 \\ -57 \\ \hline \end{array}$	$\begin{array}{r} 48 \\ -26 \\ \hline \end{array}$
--	--	---	--	--	--	--

126. Write the following numbers:

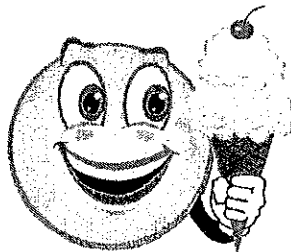
405 _____

732 _____

Six hundred one _____

Five hundred twenty two _____

Congratulations!! You have completed the summer math packet. Please turn this packet into you third grade teacher to get your prize.



ANSWER KEY

**Summer Math Reinforcement Packet
Students Entering into 3rd Grade**

28. B	$300 + 400 = 700$	1. C	
29. C	$200 + 100 = 300$	2. C	
30. B	$500 - 50 = 450$	3. C	
35. 607		4. A	
36. 112		5. 8, 8, 3, 4, 2, 10, 10,	
37. 208		17, 7, 3, 9, 6, 7, 3	
38. C		Start with larger number and count up,	
39. B	count by 5's until you reach 25	Ex. $2+7$ start with 7 then go 8, 9	
40. B		Important to memorize adding their doubles,	
41. B		$7+7=14$, $6+6=12$, $3+3=6$, up to $12+12=24$	
42. $48-19=29$ then, $29+19=48$		8, 9, 7, 7, 8, 8, 9	
43. $32-16=16$ then, $16+16=32$		5, 9, 9, 7, 3, 8, 8	
43. A		They can check their answers by adding from	
44. A	draw a picture $2 \times 5 = 10$	the bottom up. Ex. $15-7=8$, check $8+7=15$	
45. C	$5 \times 3 = 15$	7. 5 cents \$0.05	
46. C	$5 \times 3 = 15$	10 cents \$0.10	
47. A	18 divided by 6 = 3	1 cent \$0.01	
48. 36, 75, 63, 73, 95, 128, 90		25 cents \$0.25	
49. 30, 35, 40, 45		Various answers	
50. B	20 divided by 4 = 5	9. B	
51. A	one out of 4 was eaten or $\frac{1}{4}$	10. B	$44-31=13$ or start with 31 and count up
52. B	one out of 3 pieces or $\frac{1}{3}$	11. B	$68-54=14$
53. B	2 out of 4 total	12. B	
54. B	one out of 3 pieces or $\frac{1}{3}$	13. B	
55. C	$12 - 10 = 2$	14. C	look at fact families; $68-13=55$
56. B	$5 - 3 = 2$	15. C	
57. A	$5 - 3 = 2$	16. B	$54-? = 30$ so a fact family would be
58. B		17. A	$19 - 7 = 12$
59. C	for perimeter you add up all the sides,	18. B	
60. B	count the squares or $3 \times 5 = 15$	19. C	$5.60 + 1.20 = 6.80$
61. 708	(length x width)	20. C	$\$56 + \$12 = \$68$
62. 888	count the squares or Area = length x	21. C	$63 - 19 = 44$ first subtract $3 - 9$ since
63. C	width $2 \times 3 = 6$	second number is larger you have to borrow	
64. A	practice telling time with your child	22. B	$63 - 27 = 36$ again you have to borrow
65. B	on a clock at home (not digital)	from the tens. (Bottom bigger better borrow)	
66. 410		23. C	$63 + 56 = 119$
67. 606		24. 6, 16, 12, 7, 9, 7, 9	
		13, 12, 6, 12, 14, 11, 8	
		16, 10, 13, 13, 5, 10, 13	
		8, 12, 5, 14, 5, 10, 9	
		25. 19, 27, 28, 38, 50, 32, 64	
		26. A	
		27. B	$600 + 200 = 800$

68. C Add 30 minutes to 8:50	109. 63
69. B Add 30 minutes to 3:15	45
70. 8, 0, 8, 1, 5, 4, 5 4, 0, 4, 3, 3, 4, 4	89
71. B $10.00 - 6.50 = 3.50$ You can count up from 6.50 in quarters and dollars or subtract.	27
72. 66, 81, 24, 92, 100, 51, 87	110. <
73. A	>
74. B	<
75. B	<
76. B	111. B
77. C	112. 40, 45, 50
78. B	18, 21, 24
79. B	160, 170, 180
80. B	113. 20 apples 4×5 or $4 + 4 + 4 + 4 + 4 = 20$
81. Four hundred three	114. 25 lemons 5×5 or $5 + 5 + 5 + 5 + 5 = 25$
82. Three hundred forty	115. On the line between 1 and 2
83. Seven hundred one	116. B they both equal 1
84. 641	117. Minute (long) hand on the 4 and Hour (short) hand on the 8
85. C	118. \$ 0.75
86. 66, 32, 92, 36, 29, 68, 37 74, 22, 66, 102, 24, 44, 71 32, 76, 28, 86, 49, 37, 32	\$ 0.30
87. A	\$ 0.15
88. B	\$ 0.07
89. C	\$ 1.27
90. A	119. \$15.65
91. B	120. \$0.75
92. B	121. B
93. B	122. 84°
94. B	123. Yes, Sara is right. Turning a figure does not change the figure.
95. 16, 12, 8, 14, 4, 6, 18 10, 20, 24, 28, 22, 26	124. hundred 200
96. C	one 7
97. B	ten 60
98. B	125. 614, 683, 53, 24, 119, 21, 291
99. C	60, 15, 82, 4, 101, 24, 22
100. C remember each slice stands for 3	126. Four hundred five
101. A $9 - 6 = 3$	Seven hundred thirty-two
102. C	601
103. B	522
104. C $12 + 9 = 21$	
105. 52, 35, 34, 54, 60, 24, 61 48, 30, 106, 35, 88, 66, 36	
106. 12, 15, 18, 21, 24, 27 16, 20, 24, 28, 32, 36 55, 60, 65, 70	
107. 816, 817, 818 250, 280 500, 600, 800	
108. C each apple stands for 2	

