

## Summer Math Packet for Students Entering into 3rd Grade

Our second 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 third grade math program will **add onto these second 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 has 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 all the pages of the math packet. Please return this completed packet in August to your third grade teacher. Your child will receive credit for completed work.

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 have your child play games on some of the web sites listed on the next page, play games or make up additional problems of your own for additional practice.

If you need a copy of the math packet you can go on OLV's website at <http://fresnoolv.org> and print a copy.

Enjoy your summer and many blessings!!

**Reminder - Practicing addition facts and subtraction facts (up to 18 - 9) are VERY important!**

### Excellent websites for fun learning and reinforcement of math skills:

[www.aplusmath.com](http://www.aplusmath.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](http://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](http://www.eduplace.com) Select your state – "California" press submit. Select the student tab then click on the "mathematics" rectangle. Click in the book "California Math", Click on "Grade 2". Select any games. Extra Help and Extra Practice is good, also eGames.

[www.aaamath.com](http://www.aaamath.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 good ones.

[www.funbrain.com](http://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: \_\_\_\_\_

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 

10
----

10
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 | | | |

B 

10
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 | | | | | | | | | | | | | |

C 

10
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 | | | |

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:

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

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

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

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

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

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

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

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

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

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

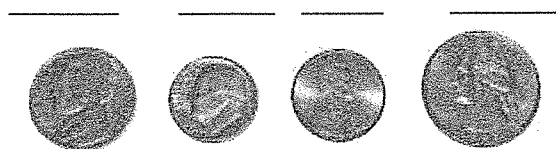
$$\begin{array}{r} 12 \\ -5 \\ \hline \end{array}$$

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

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

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

7. List the value of each coin.



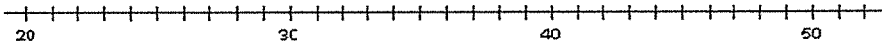
8. Count the coins from someone in your house. Ask for their permission first.  
Draw the coins out if needed. (Up to \$2.00)

\_\_\_\_\_

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

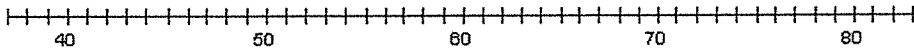
- A.  $98 + 2$
- B.  $87 + 23$
- C.  $66 + 34$

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.

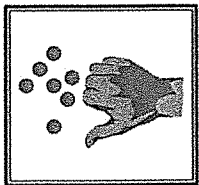
16. 54 birds were sitting in a tree. Some flew off. Then there were 30 left. How many birds flew off?

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?
- 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

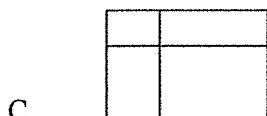
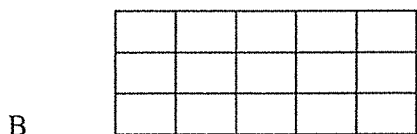
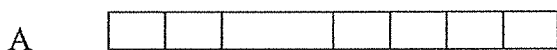
39. It took Jon a month to save \$5.00. How many months will he have to save money to buy a \$25.00 skateboard?

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

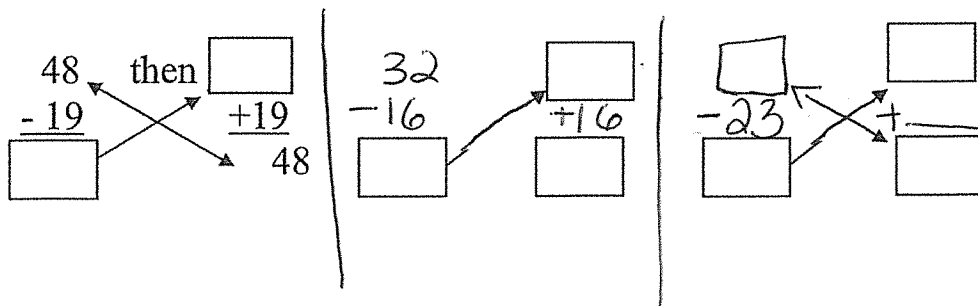
40. Baliee has 12 Yugi-Oh cards. She wants to share them equally with 3 friends. Which number sentence shows this situation?

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

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



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



43. 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.  $4 \times 5$
- B.  $4 + 5$
- C.  $5 \times 5$

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, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

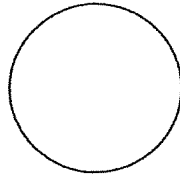
50. Tina is having a birthday party. She has invited 20 friends. Each of her tables seats four people. How many tables does she need?

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

51. What addition problem shows the multiplication  $5 \times 2$ ?

- 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

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