

Summer Math Packet

Manchester Public Schools

Given to Grade 2 in June

Going into Grade 3

2016



Name _____

School _____

(Parent Signature)



1)

a. Circle all the odd numbers.

932

457

843

745

331

859

268

574

b. Explain why they are odd.

2) Look at the following equation and show a related multiplication and division problem. Use a picture to explain your thinking.

$$5 + 5 + 5 = 15$$

Multiplication _____

Division _____



DIRECTIONS for 3 and 4: Show an equation to solve the following problems.

3) Some bunnies were sitting on the grass. Three more bunnies hopped over to them. Then there were five bunnies. How many bunnies were on the grass before the new ones arrived?

4) Some apples were on the table. I ate two apples. Then there were three apples. How many apples were on the table before I ate any?

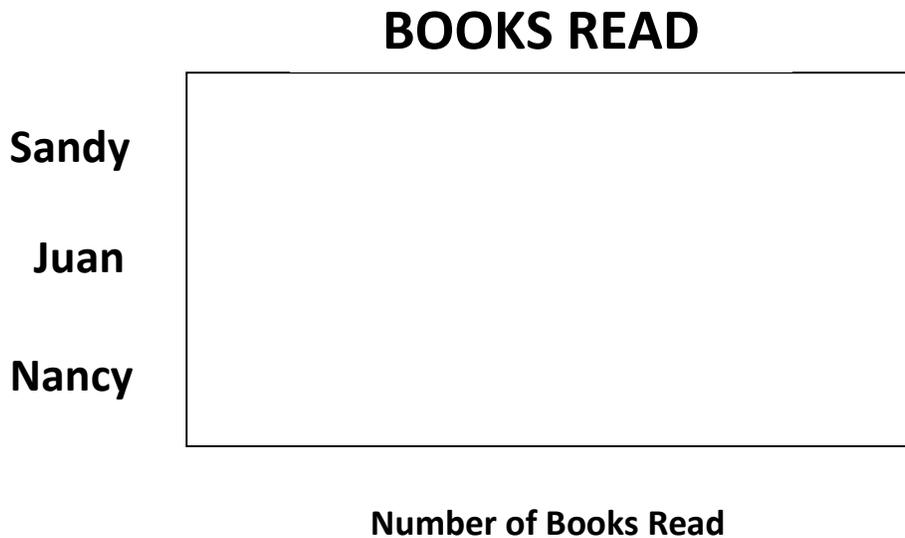
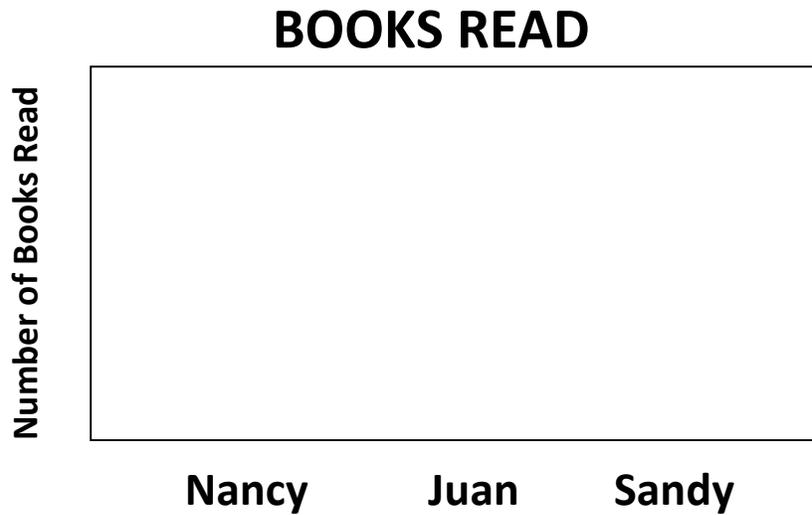
5) Follow the pattern and write the missing numbers.

975	980		990	995	
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6) Read the following information and make 2 bar graphs using the information below.

During the summer, Nancy read 5 books, Juan read 8 books, and Sandy read 7 books.





7) Measure and compare the length of the line segments.
Write a sentence about the comparison.

Line Segment A

Line Segment B

Sentence:



8) How many 12 hour cycles are in a day? _____

9) Describe when it's A.M. and when it's P.M.

10) Make an analog clock and show 5:25.

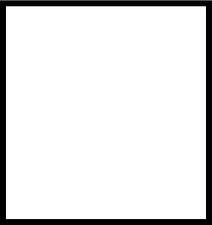
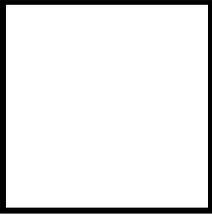


11) How many different ways can you make 37 cents using pennies, nickels, dimes, and quarters? Show what you mean.

12) How many different ways can you make 12 dollars using \$1, \$5, and \$10 bills? Show what you mean.



- 13) a. Partition (divide) each square into fourths a different way.
b. Then use a fraction to label your pieces.
c. Make an equation showing how these fractions make a whole.



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- 14) Write an equation for this problem. Solve the equation to find the answer.

The teacher is 70 inches tall. The student is 47 inches tall.
How much taller is the teacher than the student?



15) Solve this equation. Show your solution on the number line.

$$40 + 25 = \underline{\hspace{2cm}}$$



16) Sherri had 38 balloons. Some balloons flew away. She now has 14 balloons left. How many balloons flew away?

Write and solve an equation. Draw a picture to explain your thinking.



17) Solve the following problems.

$$\begin{array}{r} 67 \\ + 24 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ - 35 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ - 39 \\ \hline \end{array}$$

18) Solve.

$$58 - 27 = \underline{\hspace{2cm}}$$

$$46 + 74 = \underline{\hspace{2cm}}$$



19) Solve the problem. Show or explain how to find the answer two different ways.

$$\begin{array}{r} 54 \\ - 29 \\ \hline \end{array}$$

a.

b.



DIRECTIONS for 20 and 21: Solve the problems. Show your work.

20) Juan has \$.23. Jayson has \$.49. How much money do they have in all?

21) There are 2 boxes of markers. Each box has 18 markers. The students lost some markers. There are 25 markers left. How many markers were lost?



22) Use mental math strategies to answer the following problems.

a. $267 + 300 =$ _____

b. $200 + 700 =$ _____

c. $850 - 600 =$ _____

23) There were 547 cookies in the cafeteria. 300 of the cookies were chocolate chip. The rest of the cookies were sugar cookies. How many sugar cookies were there? Show your work.



24) Solve the following problems.

$$\begin{array}{r} 479 \\ -183 \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ -295 \\ \hline \end{array}$$

25) Find 2 three-digit numbers that have a sum of 450.
Explain how you know your answer is correct.

26) Find 2 three-digit numbers that have a difference of 450. Explain how you know your answer is correct.



27) Write this number in standard form.

Five hundred four

28) Look at the number line below.



What number does Point A represent on the number line? _____

- Place a dot on the number line to show a number that is greater than Point A. Label the dot Point B.
- Write the number that Point B represents on the number line.
- Fill in the missing numbers on the number line.



29) Compare the two numbers below.

241 214

- a. Circle the number that is greater.
- b. Explain how you know that this number is greater than the other number. You can use words and pictures to help you.



- 30) Show your thinking and write the answer.
What is another way to show 729?

- 31) What is the value of 4 hundreds and 17 tens?

- 32) Fill in the next 3 lines when counting by 10's.

540, 550, 560, 570, 580, 590, _____, _____, _____

- 33) What numbers would come next when counting?

234	235	236			
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Using the numbers above, what number is 100 more than the last number? _____



34) Write the number 935 in expanded form.

35) Make the following sentences true. Use any number or numbers that fit.

a. 365 is greater than _____

b. 246 is less than _____

c. 768 is equal to _____



38) What numbers come next in the pattern?

125, 130, 135, 140, 145, _____

What number is 500 more than the first number in the pattern above? _____

39) What number is missing in this pattern?

218, 228, 238, _____, 258, 268

40) What number is missing in this pattern?

145, 245, 345, 445, _____, 645, 745



DIRECTIONS for 41 and 42: Show how you solved the problems with a picture, equation, tally marks, or any other way.

41) Grandma has five flowers. How many can she put in her red vase and how many in her blue vase? Show 2 different ways.

42) Colleen has 3 fewer apples than Pat. Pat has five apples. How many apples does Colleen have?

GREAT JOB!

