

SUMMER MATH PACKET

Welcome to the summer of **2011**. hope everyone enjoys this summer, is safe, and rested for the fall. This year's summer packet will be smaller than those in the past. The objective of the math exercises is to help students remember what they have learned this year. It is impossible to include everything in the packet but it does represent a good portion of the math year.

There are many free internet sites that are available for your child also. If you would like additional work or suggestions please feel free to email me at school (ddakan@gcsct.org).

GOD bless,

Donald Dakan & Jason Kiska

Free Math Sites	Pay for Sites
http://math.about.com/	http://www.ixl.com/
http://www.tlsbooks.com/	http://theworksheetsonline.com/
http://www.math.com/	Outstanding Tutor Site
http://www.coolmath.com/	http://www.yourteacher.com/

4th Grade Entering 5th Grade

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 1. Which digit is in tens place in 53,712?
a. 1 b. 2 c. 5 d. 3
- _____ 2. Read the Library Books problem. What is a key idea from the problem?

Library Books Bonita and Karl borrowed 11 library books in all. Each person borrowed at least 3 library books. How many could Karl have borrowed?
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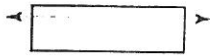
a. Bonita borrowed more books than Karl. b. In all, Bonita and Karl borrowed 11 library books. c. Karl borrowed less than 3 library books. d. Bonita borrowed 11 library books.
- _____ 3. Read the Library Books problem. What does the problem ask you to find out?

Library Books Bonita and Karl borrowed 12 library books in all. Each person borrowed at least 3 library books. How many could Karl have borrowed?
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a. How many more books did Bonita borrow than Karl? b. How many people borrowed library books? c. How many library books did Bonita and Karl borrow in all? d. How many library books could Karl have borrowed?
- _____ 4. Which number does NOT come between 78,351 and 78,590?
a. 78,382 b. 78,575 c. 78,533 d. 78,001
- _____ 5. Which is the best estimate for $3,169 + 2,918$?
a. 7,000 b. 6,000 c. 5,000 d. 4,000
- _____ 6. Choose the number expression that matches the words.
Katie had \$37 and spent \$2. Then she earned \$17 more.
a. $(\$37 - \$2) + \$17$ b. $(\$37 + \$2) - \$17$ c. $\$37 - (\$2 + \$17)$ d. $(\$37 + \$2) + \$17$
- _____ 7. Which multiplication fact can help you find $0 \div 8$?
a. 1×8 b. 8×8 c. 0×0 d. 8×0
- _____ 8. To evaluate $4 \times (9 - 6)$, which computation do you do first?
a. 4×9 b. $9 - 6$ c. 4×6 d. 4×6
- _____ 9. Which of these is another way to find 3×35 ?
a. Add 3×30 and 3×5 . b. Multiply $3 \times 30 \times 5$. c. Add 30 and 5. d. Add 3 to the product of 30 and 5.
- _____ 10. Which number sentence is TRUE?
a. $40 \div 9,000 = 360,000$ b. $40 \div 900 = 360,000$ c. $40 \div 90,000 = 360,000$ d. $40 \div 90 = 360,000$
- _____ 11. Dah-Chou estimated that 33×518 is about 15,000. Which of the following is TRUE about his statement?
a. It is difficult to tell whether 15,000 is an overestimate or an underestimate. b. 15,000 is an overestimate. c. The range for the estimated product is 15,000. d. 15,000 is an underestimate.
- _____ 12. Which computation method would be best for finding 20×200 ?
a. Use mental math b. Use a number line. c. Use a calculator. d. Use paper and pencil.

___ 13. Which dotted line is a line of symmetry?

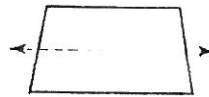
a.



b.



c.



d.



___ 14. Which fraction is NOT equivalent to $\frac{2}{10}$?

- a. $\frac{8}{40}$ b. $\frac{5}{25}$ c. $\frac{5}{30}$ d. $\frac{1}{5}$

___ 15. Which two numbers do NOT have a common factor of 5?

- a. 5 and 10 b. 10 and 15 c. 15 and 19 d. 20 and 25

___ 16. Which fraction is greater than $\frac{10}{12}$?

- a. $\frac{9}{12}$ b. $\frac{11}{12}$ c. $\frac{7}{12}$ d. $\frac{8}{12}$

___ 17. Nitrogen makes up about $\frac{3}{4}$ of the gas in our atmosphere. Which fraction is greater than $\frac{3}{4}$? You may use fraction strips to help.

- a. $\frac{4}{10}$ b. $\frac{5}{6}$ c. $\frac{3}{12}$ d. $\frac{1}{8}$

___ 18. Which mixed number is greater than $2\frac{2}{4}$?

- a. $2\frac{3}{4}$ b. $1\frac{2}{4}$ c. $2\frac{1}{4}$ d. $1\frac{3}{4}$

___ 19. James and Jenisa are twins. James weighed $4\frac{1}{2}$ pounds when he was born. Jenisa weighed less than James. How much could Jenisa have weighed?

- a. $4\frac{3}{8}$ pounds b. $5\frac{5}{8}$ pounds c. $4\frac{5}{8}$ pounds d. $5\frac{3}{8}$ pounds

___ 20. Look at the dance class circle graph. In which class is about $\frac{1}{5}$ of the school signed up?

- a. HipHop b. Ballet c. Salsa d. Jazz

___ 21. Look at the dance class circle graph. In which class is about $\frac{1}{3}$ of the school signed up?

- a. Ballet b. HipHop c. Salsa d. Jazz

___ 22. Look at the dance class circle graph. In which two classes is about $\frac{1}{2}$ the school signed up?

- a. HipHop and Jazz b. Ballet and HipHop c. Salsa and Jazz d. Jazz and Ballet

___ 23. Which sum is less than 1?

- a. $\frac{1}{4} + \frac{4}{10}$ b. $\frac{2}{3} + \frac{3}{4}$ c. $\frac{6}{10} + \frac{5}{12}$ d. $\frac{9}{10} + \frac{4}{5}$

___ 24. Miles would be the most appropriate unit for measuring the length of which object?

- a. the Amazon River b. a Chinese eggroll c. a beluga whale d. the Empire State Building



Name: _____

ID: A

- ___ 25. Which is the most appropriate unit to measure the capacity of a medicine bottle?
a. cup b. quart c. gallon d. fluid ounces
- ___ 26. Which of the following is NOT an appropriate unit to measure the capacity of a drinking glass?
a. fluid ounces b. gallon c. cup d. pint
- ___ 27. Lake Michigan is one of the five Great Lakes in North America. Which is the most appropriate unit to measure the capacity of water in the lake?
a. quart b. gallon c. cup d. pint
- ___ 28. Pounds would be the most appropriate unit for measuring the weight of which object?
a. a paper clip b. an airplane c. frog d. bag of sugar
- ___ 29. Which number rounds to 2 when rounded to the nearest whole number?
a. 2.51 b. 2.5 c. 2.28 d. 1.69
- ___ 30. Which is the most appropriate unit to measure the length of a bicycle race?
a. millimeter b. centimeter c. kilometer d. meter
- ___ 31. Which is the most reasonable estimate for the height of Petronas Tower in Kuala Lumpur, Malaysia, one of the tallest buildings in the world?
a. 452 cm b. 452 dm c. 452 m d. 452 km
- ___ 32. Which would be the most appropriate tool to measure the water in an aquarium?
a. 30-centimeter ruler b. liter measuring cup c. meter stick d. medicine dropper
- ___ 33. Carla's dog has a mass of 30 kg, and Alan's dog has a mass of 29,950 g. Which dog has a greater mass?
a. Carla's dog has a greater mass. b. Alan's dog has a greater mass. c. The dogs have the same mass. d. There is not enough information to tell.
- ___ 34. Which inequality is graphed below?



- a. $x < 3$ b. $x > 2$ c. $x > 3$ d. $x < 2$
- ___ 35. ESTIMATE $481 + 460$ by rounding to the nearest hundred. Is your estimate an overestimate or an underestimate?
a. 1,000, overestimate b. 1,100, underestimate c. 1,000, underestimate d. 800, overestimate
- ___ 36. Add. Estimate to check.
 $940 + 804$
a. 1,644 b. 1,734 c. 1,744 d. 17,044
- ___ 37. During a scientific experiment, Rahmi collected the following data. Look for a pattern. If the pattern continues, how many flies will there be on the 7th day?
- | Day | 1 | 2 | 3 | 4 |
|-------|---|---|----|----|
| Flies | 4 | 8 | 14 | 22 |
- a. 58 flies b. 54 flies c. 44 flies d. 40 flies
- ___ 38. Find the product.
 $1 \cdot 3$
a. 0 b. 1 c. 3 d. 4

Name: _____

ID: A

- ___ 39. A U.S. Representative's term lasts for 2 years. Unlike the President of the United States, there is no limit on how many terms a U.S. Representative can serve. Use $2n$ to find the number of years a U.S. Representative served if $n = 8$, where $n =$ the number of terms served.
a. 2 years b. 8 years c. 10 years d. 16 years

- ___ 40. What is the rule for the table?

In	1	2	3	4	n
Out	9	18	27	36	

- a. $9n$ b. $3n$ c. $n + 9$ d. $n - 8$
- ___ 41. Find the elapsed time from 6:53 A.M. to 10:13 A.M.
a. 2 hours and 20 minutes b. 3 hours and 40 minutes c. 3 hours and 20 minutes d. 4 hours and 40 minutes
- ___ 42. Identify the outlier in the data set.
19, 26, 65, 22, 20, 19, 22
a. 19 b. 26 c. 65 d. 22

- ___ 43. What is the median for the set of data?

DATA SET 82, 87, 88, 79, 76, 81, 87

- a. 12 b. 81 c. 82 d. 87
- ___ 44. What survey question would you use if you wanted to know what time students go to bed on school nights?
a. What time do you go to bed on school nights? b. What is your favorite sport? c. How many hours a day do you sleep? d. Do you like to play computer games?
- ___ 45. Clara used the Internet to find the average number of passengers going through five international airports each hour. Then she put the data in a table.

AIRPORT PASSENGERS

Airport Name	Number of Passengers Each Hour
Atlanta Hartsfield	8,658
Orlando	4,562
Raleigh-Durham	1,455
Tulsa	856
Indianapolis	1,182

ESTIMATE the number of passengers at Raleigh-Durham airport in 6 hours.
a. 1,500 b. 36,000 c. 9,000 d. 3,000

- ___ 46. What are the partial products for $65 \cdot 5$?
a. 350 and 25 b. 30 and 25 c. 300 and 25 d. 325 and 25
- ___ 47. The height of one mountain is 152 yards. Another mountain is 5 times as tall. What is the height of the second mountain?
a. 608 yards b. 760 yards c. 912 yards d. 360 yards

Name: _____

ID: A

- ___ 48. If one can of soup sells for \$2.32 including tax, what is the total cost of 7 cans?
a. \$17.24 b. \$14.14 c. \$16.24 d. \$15.14

- ___ 49. If Gayle's class sends 28 letters to friends in Brazil, what is the total cost of the letters?

Air Mail Letter Rates (3 oz letters) from the U.S. to:	Cost
Australia	\$2.60
Brazil	\$2.30
Switzerland	\$2.40

- a. \$67.20 b. \$64.40 c. \$61.60 d. \$58.80

- ___ 50. There are 40 coins in a roll of quarters.

Number of rolls	1	2	3	4	5	6	7
Number of quarters	40	80	120	160			

Complete the pattern in the table. Then complete the statement. Seven rolls have _____ quarters.

- a. 280 b. 240 c. 200 d. 40

- ___ 51. Use patterns to find the quotient.
 $4,500 \div 5$

- a. 9 b. 90 c. 900 d. 9,000

- ___ 52. Casey will earn a trophy if he reads all 80 books on the library's Best Books list. He plans to read 5 books per week. How long will it take him to read all the books?

- a. 11 weeks b. 80 weeks c. 16 weeks d. 21 weeks

- ___ 53. Angelo made 50 ounces of pineapple juice. How many 4-ounce glasses can he fill?

- a. 2 glasses b. 11 glasses c. 12 glasses d. 13 glasses

- ___ 54. Mrs. Lazlo built a playhouse for her children. The playhouse floor is in the shape of a rectangle with the measurements listed below. What is the area of the playhouse floor? (Hint: $A = lw$)

$w = 8$ feet

$l = 10$ feet

- a. 18 square feet b. 36 square feet c. 80 square feet d. 88 square feet

- ___ 55. Draw a picture to solve the problem.

A 5-mile race has a flag at its beginning and a flag at its end. It also has a flag every $\frac{1}{2}$ mile. How many flags are used on the race?

- a. 9 flags b. 10 flags c. 11 flags d. 12 flags