INCOMING 5TH GRADE MATH SUMMER ASSIGNMENT

Completed summer break review packet is due on Monday August 23, 2021. Scholars must Show ALL their work. Failure to show your work will result in a lower grade. Completed packets will be graded for accuracy and will be worth one quiz grade. Please let me know if you have any questions.

1. The Lego factory manufactured 417,215 pieces in May. In June, 139,837 pieces were manufactured. How many more pieces were manufactured in May than in June?

2. A total of 506,812 people visited Disney World last week.

   a. Write the total number of people that visited Disney World in expanded form.

   b. Write the total number of people that visited Disney World in word form.

   c. Round the total number of people that visited Disney World to the nearest ten thousand.

3. Raquel and Sabrina had to clean their rooms. They wanted to see who had more toys. Raquel said she cleaned up 110 cars and 98 linking logs. Sabrina said she cleaned 108 dominoes and 103 Legos. Raquel and Sabrina said they cleaned up the same amount of toys. Is this statement correct? Use an equation to explain your answer.

4. Tina has 19 times as many stickers as Jim. Jim has 24 stickers. How many stickers does Tina have?

5. A cellphone company charges $176 a month for service. Which equation shows the cost of 8 months of service?

   A. 176 X 8 = (100 + 70 + 6) X 8 = (100 x 8) + (70 X 8) + 6

   B. 176 X 8 = (1 + 7 + 6) X 8 = (1 x 8) + (7 X 8) + (6 X 8)

   C. 176 X 8 = (100 + 70 + 6) X 8 = (100 x 8) + (70 X 8) + (6 X 8)

   D. 176 X 8 = (100 + 7 + 6) X 8 = (100 x 8) + (7 X 8) + (6 X 8)

6. There are 9 twenty-pound boxes and 7 sixty-pound boxes of produce on a truck. How many pounds of produce are on the truck?

7. New York has an area of 59,556 square miles. Miami has an area of 65,145 square miles. How much greater is the area, in square miles, of Miami than the area of New York?

8. The Science Club arranged 25 chairs in each of 32 rows for the awards ceremony. What is the total number of chairs they arranged?

9. On Saturday, 17 trucks left the station. Each truck carried a full load of 53 passengers. What is the total number of passengers who left the bus station that day?

10. Ray packed 38 bags of dog treats for the animal shelter. He put 16 dog treats in each bag. What is the total number of dog treats Ray packed?

11. Johnny lives in a large apartment building in Miami, Florida. It has 9 floors. Each floor has 25 apartments, and each apartment has 6 rooms. What is the total number of rooms in the apartment building?

12. There are 9 shows of a film about the Everglades at the science museum. A total of 3,132 people saw the film. How many people were at each show?

13. Mr. Ray and Mr. Chin both bought homes. Mr. Ray spent $618,133 on his home while Mr. Chin spent $479,347 for his home. How much more did Mr. Ray spend on his home than Mr. Chin?

14. Michael has 9 albums with 18 football cards in each. His friend gives him 7 packages of football cards with 26 cards in each. If he buys another 45 football cards, how many football cards will he have?

15. What is the quotient of 6,132 ÷ 4?

16. What number is both prime and a factor of 27?

Fluency Practice

(Show your work)

3,419	23,068	41,385
X 5	X 9	X 7

32	95	513
X 48	X 74	X 24

$8,028 \div 3$ $\qquad$ $6,532 \div 4$ $\qquad$ $83,262 \div 6$

17. Costco gave 560,423 bowls of food to animal shelters this year. This was 214,975 more bowls than the previous year. How many total bowls of food did Costco give to animal shelters?

18. The diameter of the sun is 1,392,138 kilometers. Write the diameter of the sun in expanded and word form.

   a.

   b.

19. Tom has 16 packages of baseball cards. Each package has 80 baseball cards in it. Lily has 214 fewer baseball cards than Tom. How many baseball cards does Lily have? Write an equation and solve.

20. Tommy loaded 65 boxes on the truck. Each box had 200 books. How many books did Tommy load on the truck?

21. Noah started his homework at 3:45 p.m. He spent $^1/_2$ hour on Math, 45 minutes on Reading, and $^1/_3$ hour on Greek Language. What time did Noah finish his homework?

22. Which fraction makes the equation true?

$$\frac{3}{10} + \boxed{} = \frac{36}{100}$$

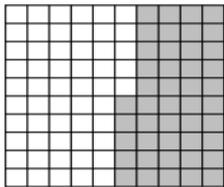23. Jenny earned 208,970 points on SumDog. What is her number written in **expanded form**?

24. What is 249,133 rounded to the nearest ten thousand?

25. Trisha walks ¾ mile a day. How many miles will she walk in 9 days?

26. Find the product of 76 and 34.

27. The tour of Disney started at 10:40 a.m. It lasted for 2 hours and 45 minutes. What time did the tour end?

28. What decimal and fraction does the model show?

29. A camping group bought 15 sleeping bags that cost $42 each and a tent that cost $160. What was the total cost of the sleeping bags and the tent?

Use the table below to answer questions 30 – 32.

Butterfly	Wingspan (inches)
Monarch	$3\frac{7}{8}$
Milbert's Tortoiseshell	$2\frac{5}{8}$
Zebra Swallowtail	$2\frac{1}{2}$
Viceroy	$2\frac{6}{8}$
Postman	$3\frac{3}{8}$
Purple Spotted Swallowtail	$2\frac{2}{8}$
Julia	$3\frac{2}{4}$
Southern Dogface	$2\frac{3}{8}$
Tiger Swallowtail	$3\frac{1}{2}$
Regal Fritillary	$3\frac{4}{8}$

30. What is the wingspan difference between the Postman and Viceroy Butterfly?

31. What is the total wingspan length of the Monarch Butterfly and the Regal Fritillary?

32. Compare the wingspan of the Milbert's Tortoiseshell and the Zebra Swallowtail using the symbols >, <, or =.

33. Vincent practiced the piano for 60 minutes on Monday. That is 5 times as long as he practiced on Friday. How long did he practice on Friday?

34. Billy hiked $4\frac{51}{100}$ miles along a trail. What is this distance written as a decimal?

35. Mario walked $\frac{28}{100}$ mile on Tuesday and $\frac{6}{10}$ mile on Thursday. How much did Mario walk in all? Write the answer as a fraction and decimal.

36. Phil is thinking of a number that has a 4 in the hundred thousands place, a 6 in the hundreds place and a 9 in the tens place. What is his number written in standard form and expanded form?

37.

38. Nicolas made 696,133 t-shirts last month. What is the number of t-shirts rounded to the nearest ten thousand?

39. Tristan ordered 406,323 bricks. He used 131,689 bricks for the sidewalk and 189,745 bricks for the wall. How many bricks does he have left?

40. Mario solved 6,579 problems on SumDog each month. How many problems did Mario solve in 8 months?

Fluency Practice

(Show your work)

19	724	61
X 45	X 9	X 32

57	36	287
X 22	X 16	X 14

$891 \div 3$ $13,142 \div 4$ $5,203 \div 6$

41. Raoul paid $6,968 for 4 laptops. If each laptop costs the same amount, what is the cost of each laptop?

42. Seven hundred two thousand, sixteen people visited the Magic Kingdom last week. What is this number written in standard form?

43. Gabriella read a book in $4\frac{1}{6}$ hours. Jon read the same book in $1\frac{5}{6}$ hours. How much longer did it take Gabriella to read the book than Jon?

44. Miranda needs $3\frac{6}{8}$ yards of pink fabric and $4\frac{7}{8}$ white fabric to make a dress. How much fabric does she need in all?

45. Jose ran $2\frac{3}{5}$ miles each day. How many miles did he run in a week?

46. Circle all the fractions that are equivalent to $\frac{2}{4}$.

    a. $\frac{3}{6}$ b. $\frac{40}{80}$ c. $\frac{6}{10}$

    d. $\frac{50}{100}$ e. $\frac{8}{14}$ f. $\frac{15}{30}$

47. Suzie walked $\frac{5}{6}$ mile. Jenny walked $\frac{7}{10}$ mile. Which girl walked farther?

48. Match each comparison with the correct symbol. Draw a line to the correct symbol.

$\qquad$ A. $\frac{2}{3}$ and $\frac{8}{12}$ $\qquad$ $>$

$\qquad$ B. $\frac{3}{5}$ and $\frac{7}{10}$ $\qquad$ $=$

$\qquad$ C. $\frac{4}{8}$ and $\frac{5}{15}$ $\qquad$ $<$

49. Circle each division sentence that has a remainder. Choose all that apply.
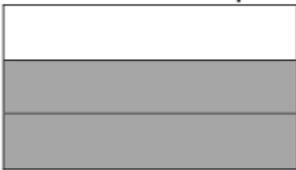
   A. $32 \div 4$

   B. $51 \div 3$

   C. $65 \div 4$

   D. $36 \div 9$

   E. $91 \div 7$

   F. $98 \div 8$

50. Maria drew the model below. Write two fractions equivalent to Maria's model.

51. Write the fraction and decimal for each word form below.
   a. five tenths $\qquad$ $\qquad$

   b. ninety hundredths $\qquad$ $\qquad$

   c. three and six tenths $\qquad$ $\qquad$

52. Eleni used 0.25 of the baking soda in her red velvet cake. What fraction is shown by the baking soda?

53. Zoe ran 0.4 mile and Alicia ran 0.29. Who ran more? Explain your thinking.

54. Adrian has 0.05 dollars. Rosie has 0.5 dollars. Who has more money? Why?

55. Evelyn walked 2.23 miles. Gianna walked farther than Evelyn. Which could be the number of miles Gianna walked?

    A. 1.99 miles

    B. 2.2 miles

    C. 2.17miles

    D. 2.4 miles

56. Angel drew an angle that turns through $\frac{31}{360}$ of a circle. What is the measure of Angel's angle?

57. Ms. Maria drives 8 miles to work each day. How many feet does she drive?

58. A fish tank holds 7 liters of water. How many milliliters of water do three tanks hold?

59. Ann finished washing her clothes at 5:30 PM. She washed and dried three loads of laundry. Each load took 33 minutes to wash and dry. What time did Ann start her laundry?

60. Tom has 154 Pokemon cards. He keeps 10 cards and shares the rest of his Pokemon cards evenly with 8 friends. How many cards does each friend get?

61. Ms. Maria bought 20 packets of crayons. Eleven packets had 12 crayons and 9 packets had 8 crayons. How many crayons did Ms. Maria buy in all?

62. Michelle baked eight trays of 32 cookies each. After the cookies cooled, she packed the cookies evenly into four bags. How many cookies did she put in each bag?

63. The Miami Heat raised $4,523,678 for the local charity. What is the value of the four in $4,523,678?

64. Fifteen children came to Monica's birthday party. If each child ate $\frac{3}{8}$ of the pizza, how much did they eat in all?

65. For each dozen cookies Christie makes, she needs $\frac{2}{3}$ cup flour. If Christie makes 10 dozen cookies, how many cups of flour does she need?

66. David ran $\frac{8}{10}$ mile on Monday and 1.75 miles on Tuesday. How many miles did he run in all?