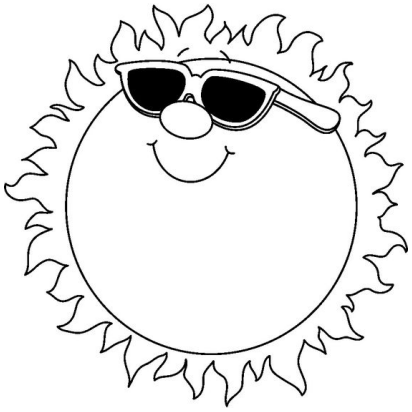
Name _____

Entering 5th Grade
Summer Math Packet



Dear Students,

This math packet contains many review problems to help you practice the concepts that were covered in fourth grade. I hope you enjoy your summer, but I also want you to start middle school feeling confident and prepared. Completion of this packet is a big step in the right direction! Solve each problem first, then use the answer key to check your answers. You should break this packet up over several days or weeks throughout the summer. I am so grateful that I was given the opportunity to teach you in fourth grade! I hope you have a restful and blessed summer break.

Love,

Mrs. Bourgeois

Note: Multiplication and division math facts should be memorized going into fifth grade. The expectation in fifth grade math is that all students have their facts memorized at the start of the school year.

Write the value of the underlined digit.

1. 45,<u>7</u>18 _____
2. 8<u>2</u>,015 _____
3. <u>5</u>61,284 _____
4. 7<u>2</u>3,610 _____

Compare the values of the underlined digits.

5. <u>4</u>25 _____ <u>4</u>,017
6. 8,3<u>5</u>2 _____ 6,<u>5</u>42

Write the number in two other forms.

7. Standard Form: _____
   Word Form: _____
   Expanded Form: 200,000 + 50,000 + 4,000 + 300 + 90 + 7

Compare.

8. 300,000 _____ 30,000
9. 6,358 _____ 6,361
10. 36,431 _____ 36,413

Round the number to the place value of the underlined digit.

11. 7,9<u>3</u>2 _____
12. 4<u>9</u>5,315 _____
13. 13,<u>6</u>20 _____
14. 1<u>0</u>7,231 _____

Find the sum. (#15 - 16)

$$\begin{array}{r} 85{,}436 \\ +\ 92{,}775 \\ \hline \end{array} \qquad \begin{array}{r} 228{,}363 \\ +\ 704{,}683 \\ \hline \end{array}$$

Find the difference. (#17 - 18)

$$\begin{array}{r} 82{,}705 \\ -\ \ 6{,}432 \\ \hline \end{array} \qquad \begin{array}{r} 70{,}381 \\ -\ 14{,}203 \\ \hline \end{array}$$

Solve.

19. There are about 700,000 students in a city. About 89,300 of the students are in fifth grade. How many of the students are *not* in fifth grade?

20. There are 1,469 students at School A. There are 376 more students at School B. How many students are there in all in both schools?

21. Your class sells 60 student tickets and 80 adult tickets for a school play. Student tickets cost $5 each, and adult tickets cost $7 each. Your class wants to sell a total of $1,200 worth of tickets. How many more dollars worth of tickets does your class need to sell to reach this goal?

22. Students turn in a total of $34,975 from selling cookies for a school fundraiser. They turn in $9,250 on Monday. They turn in $7,175 each day on Tuesday and Wednesday. The rest of the money is turned in on Thursday. How much money is turned in on Thursday?

23. A water park uses 18,000 gallons of water per day. A golf course uses 854 gallons of water per day. A car wash uses 3,360 gallons of water per day. How many more gallons of water does the water park use each day than the car wash and golf course combined?

Find the product.

24. 3 x 40 = _____

25. 9,000 x 2 = _____

26. 8 x 300 = _____

27. 5 x 3,000 = _____

28. 10,000 x 4 = _____

29.

$$\begin{array}{r} 9{,}437 \\ \times \quad 2 \\ \hline \end{array}$$

30.

$$\begin{array}{r} 3{,}217 \\ \times \quad 8 \\ \hline \end{array}$$

31. 28 x 41 = _____

32. 61 x 35 = _____

33. 645 x 24 = _____

34. 157 x 38 = _____

Find the quotient.

35.

$4\overline{)301}$

36.

$5\overline{)492}$

37.

$5\overline{)2{,}043}$

38.

$4\overline{)7{,}755}$

Solve.

39. There are 18 adults and 36 children in a museum. If 6 people can go on a tour, how many tours are needed?

40. A school has 48 buses. Each bus has 23 rows of 2 seats. How many passengers can travel by bus?

Find the factors of each number. List them in numerical order.

41. 12 _____

42. 60 _____

43. 36 _____

44. 85 _____

Tell whether the number is prime or composite.

45. 73 _____

46. 80 _____

47. 52 _____

48. 78 _____

49. 63 _____

List the first 6 multiples of each number.

50. 8 _____

51. 9 _____

52. 10 _____

Find the equivalent fraction.

53. $\frac{1}{3} = \frac{\quad}{6}$

54. $\frac{5}{6} = \frac{\quad}{12}$

55. $\frac{12}{24} = \frac{1}{\quad}$

56. $\frac{2}{8} = \frac{1}{\quad}$

57. $\frac{3}{12} = \frac{\quad}{4}$

Compare.

58. $\frac{4}{6}$ ——— $\frac{4}{8}$

59. $\frac{3}{12}$ ——— $\frac{5}{7}$

60. $\frac{30}{100}$ ——— $\frac{8}{8}$

61. $\frac{2}{3}$ ——— $\frac{3}{4}$

62. $\frac{25}{100}$ ——— $\frac{1}{4}$

Find the sum.

63. $\frac{1}{5} + \frac{3}{5} =$

64. $2 + \frac{2}{4} =$

Find the difference.

65. $\frac{14}{8} - \frac{11}{8} =$

66. $5 - \frac{1}{4} =$

Write the mixed number as a fraction.

67. $1\frac{3}{4} =$

68. $2\frac{4}{5} =$

69. $3\frac{7}{12} =$

Write the fraction as a mixed number.

70. $\frac{11}{5} =$

71. $\frac{18}{6} =$

72. $\frac{62}{4} =$

Add.

73. $9\frac{5}{6} + 8\frac{4}{6} =$ _____

74. $2\frac{2}{9} + 2 =$ _____

Subtract.

75. $7\frac{2}{3} - 4\frac{1}{3} =$ _____

76. $10\frac{2}{9} - 1\frac{8}{9} =$ _____

Write the fraction or mixed number as a decimal.

77. $\frac{3}{10}$ **=** _____

78. $\frac{8}{10}$ **=** _____

79. $\frac{25}{100}$ **=** _____

80. $\frac{4}{100}$ **=** _____

81. $9\frac{7}{10}$ **=** _____

82. $13\ \frac{6}{100}$ **=** _____

Compare.

83. 0.51 _____ 0.49

84. 0.4 _____ 0.40

85. 0.99 _____ 0.9

86. 1.1 _____ 1.01

87. 3.33 _____ 4.33

88. 7.51 _____ 6.68

Solve.

89. Newton buys a blue notebook for $3.87 and a red notebook for $5.08. He pays with a $10 bill. How much change does Newton receive?

90. A toy car costs $6.55. You have 4 jars with $1.48 in each jar. Do you have enough money to buy the toy car? If not, how much more money do you need?

Find the equivalent length, capacity, or weight.

91. 4 mi = _____ yd

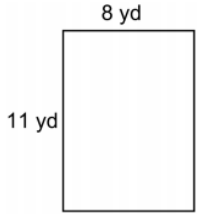
92. $5\frac{1}{2}$ qt = _____ pt

93. 2 m = _____ mm

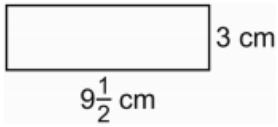
94. $3\frac{1}{2}$ T = _____ lb

Find the area and perimeter of each rectangle.

95.



96.



ANSWER KEY

1. 700
2. 2,000
3. 500,000
4. 20,000
5. <
6. <
7. 254,397 / two hundred fifty-four thousand, three hundred ninety-seven
8. >
9. <
10. >
11. 7,930
12. 500,000
13. 13,600
14. 110,000
15. 178,211
16. 933,046
17. 76,273
18. 56,178
19. About 610,700 students are not in fifth grade.
20. There are 3,314 students in both schools.
21. Your class needs to sell $340 more.
22. $11,375 is turned in on Thursday.
23. The water park uses 13,786 more gallons of water than the golf course & car wash combined.
24. 120
25. 18,000

26. 2,400
27. 15,000
28. 40,000
29. 18,874
30. 25,736
31. 1,148
32. 2,135
33. 15,480
34. 5,966
35. 75 R1 or $75\frac{1}{4}$
36. 98 R2 or $98\frac{2}{5}$
37. 408 R3 or $408\frac{3}{5}$
38. 1,938 R3 or $1{,}938\frac{3}{4}$
39. 9 tours are needed.
40. 2,208 passengers can travel by bus.
41. 1, 2, 3, 4, 6, 12
42. 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60
43. 1, 2, 3, 4, 6, 9, 12, 18, 36
44. 1, 5, 17, 85
45. prime
46. composite
47. composite
48. composite
49. composite
50. 8, 16, 24, 32, 40, 48
51. 9, 18, 27, 36, 45, 54
52. 10, 20, 30, 40, 50, 60
53. $\frac{2}{6}$
54. $\frac{10}{12}$
55. $\frac{1}{2}$
56. $\frac{1}{4}$
57. $\frac{1}{4}$
58. >
59. <
60. <
61. <
62. =
63. $\frac{4}{5}$

64. $2\frac{2}{4} = 2\frac{1}{2}$
65. $\frac{3}{8}$
66. $\frac{19}{4} = 4\frac{3}{4}$
67. $\frac{7}{4}$
68. $\frac{14}{5}$
69. $\frac{43}{12}$
70. $2\frac{1}{5}$
71. 3
72. $15\frac{2}{4} = 15\frac{1}{2}$
73. $17\frac{9}{6} = 18\frac{3}{6} = 18\frac{1}{2}$
74. $4\frac{2}{9}$
75. $3\frac{1}{3}$
76. $\frac{75}{9} = 8\frac{3}{9} = 8\frac{1}{3}$
77. 0.3
78. 0.8
79. 0.25
80. 0.04
81. 9.7
82. 13.06
83. >
84. =
85. >
86. >
87. <
88. >
89. Newton receives $1.05 in change.
90. No, I need $0.63 more.
91. 7,040 yd
92. 11 pt
93. 2,000 mm
94. 7,000 lb
95. P = 38 yd, A = 88 square yd
96. P = 25 cm, A = $\frac{57}{2} = 28\frac{1}{2}$ square cm