

Name \_\_\_\_\_

Date \_\_\_\_\_

SUMMER MATH FOR INCOMING 6<sup>TH</sup> GRADE HONORS

- |           |           |           |            |
|-----------|-----------|-----------|------------|
| 1. _____  | 26. _____ | 51. _____ | 76. _____  |
| 2. _____  | 27. _____ | 52. _____ | 77. _____  |
| 3. _____  | 28. _____ | 53. _____ | 78. _____  |
| 4. _____  | 29. _____ | 54. _____ | 79. _____  |
| 5. _____  | 30. _____ | 55. _____ | 80. _____  |
| 6. _____  | 31. _____ | 56. _____ | 81. _____  |
| 7. _____  | 32. _____ | 57. _____ | 82. _____  |
| 8. _____  | 33. _____ | 58. _____ | 83. _____  |
| 9. _____  | 34. _____ | 59. _____ | 84. _____  |
| 10. _____ | 35. _____ | 60. _____ | 85. _____  |
| 11. _____ | 36. _____ | 61. _____ | 86. _____  |
| 12. _____ | 37. _____ | 62. _____ | 87. _____  |
| 13. _____ | 38. _____ | 63. _____ | 88. _____  |
| 14. _____ | 39. _____ | 64. _____ | 89. _____  |
| 15. _____ | 40. _____ | 65. _____ | 90. _____  |
| 16. _____ | 41. _____ | 66. _____ | 91. _____  |
| 17. _____ | 42. _____ | 67. _____ | 92. _____  |
| 18. _____ | 43. _____ | 68. _____ | 93. _____  |
| 19. _____ | 44. _____ | 69. _____ | 94. _____  |
| 20. _____ | 45. _____ | 70. _____ | 95. _____  |
| 21. _____ | 46. _____ | 71. _____ | 96. _____  |
| 22. _____ | 47. _____ | 72. _____ | 97. _____  |
| 23. _____ | 48. _____ | 73. _____ | 98. _____  |
| 24. _____ | 49. _____ | 74. _____ | 99. _____  |
| 25. _____ | 50. _____ | 75. _____ | 100. _____ |

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_ ID: A

**Summer Math Skills for 5th Grade going into 6th Grade**

**Complete the statement with  $<$ ,  $>$ , or  $=$ .**

1.  $4.5$  ?  $5.4$

2.  $16.64$  ?  $16.57$

3.  $0.32$  ?  $0.320$

**Complete the statement.**

4.  $3 \text{ qt } 2 \text{ pt} =$  ?  $\text{pt}$

5.  $87 \text{ in.} =$  ?  $\text{yd}$  ?  $\text{ft}$  ?  $\text{in.}$

**Find the sum, difference, product, or quotient.**

6.  $162 \div 6$

7.  $273 - 148$

8.  $37 \times 22$

9.  $407 - 53$

10.  $18 + 294$

**Find the value of the power.**

11.  $9^3$

12.  $6$  cubed

13.  $14$  squared

**Evaluate the expression.**

14.  $34 - 16 + 7$

15.  $14 + 8 \div 2$

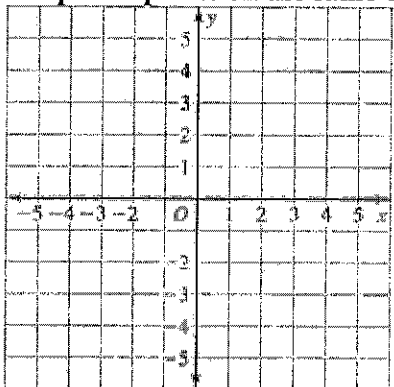
16.  $7 \times 6 + 12 \div 4$

17.  $16 + p = 22$

18.  $42 = d - 35$

19.  $a + 6 = 11$

**Graph the points on the same coordinate grid.**



20.  $(4, 0)$

21.  $(-3, 1)$

**Find the mean, median, mode(s), and range of the data.**

22. Number of pieces of mail: 4, 8, 6, 2, 0, 3, 7, 5, 8, 2

23. The data show the price charged by roadside stands for a dozen ears of corn. Find the mean, median, mode(s), and range of the data.

Dollars: 2, 2, 3, 4, 4, 3, 3, 4, 4, 3, 2, 2

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**Write the number as a decimal.**

24. eighty-nine ten thousandths

25. twenty-six and fourteen hundredths

**Write the decimal in words.**

26. 10.362

27. 0.0793

28. Write 13.015 in words.

**Find the sum or difference.**

29.  $4.3 + 8.9$

30.  $15.6 - 7.7$

31.  $9.41 - 5.4$

32.  $0.0125 + 0.137$

33.  $\frac{11}{24} + \frac{7}{24}$

34.  $\frac{2}{5} + \frac{7}{20}$

35.  $8\frac{9}{16} - 5\frac{5}{8}$

36.  $15.2 + 18.71$

37.  $13.1 - 7.36$

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38.  $\frac{7}{9} - \frac{4}{9}$

39.  $8\frac{1}{4} - 3\frac{2}{3}$

40. 
$$\begin{array}{r} 1 \text{ pt} \quad 6 \text{ fl oz} \\ - \quad 1 \text{ c} \quad 7 \text{ fl oz} \\ \hline \end{array}$$

**Find the product or quotient.**

41.  $3 \times 7.64$

42.  $4.3 \times 0.005$

43.  $0.45 \div 0.09$

44.  $1.9 \times 7.2$

45.  $101.47 \div 3.65$

46.  $1\frac{1}{5} \times 1\frac{1}{3}$

**Use the distributive property to find the product.**

47.  $4(6 + 3.9)$

48.  $6(48)$

**Find the product or quotient. Use mental math**

49.  $21.3 \times 100$

50.  $58.74 \times 0.01$

51.  $715 \div 1000$

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52.  $0.36 \div 0.1$

53.  $1.86 \times 0.01$

**Find the GCF of the numbers.**

54. 16, 28

55. 24, 38

56. 36, 81

57. 28, 76

**Write two fractions that are equivalent to the given fraction.**

58.  $\frac{3}{7}$

59.  $\frac{1}{9}$

**Tell whether the fraction is in simplest form. If not, simplify it.**

60.  $\frac{7}{84}$

61.  $\frac{24}{32}$

62.  $\frac{9}{14}$

63.  $\frac{36}{48}$

**Find the LCM of the numbers.**

64. 4, 18

65. 5, 6, 12

Rewrite the number as an improper fraction or mixed number.

66.  $6\frac{4}{9}$

Write the decimal as a fraction or mixed number in simplest form.

67. 0.85

68. 1.12

Find the sum or difference. Write your answer in simplest form.

69.  $\frac{5}{9} + \frac{1}{9}$

70.  $\frac{4}{15} + \frac{2}{3}$

71.  $14\frac{1}{4} - 6\frac{1}{8}$

72.  $3\frac{4}{7} + 8\frac{6}{7}$

73.  $8\frac{2}{5} - 5\frac{4}{5}$

74. You went shopping with a group of friends from 11:45 A.M. until 3:20 P.M. How long were you shopping?

Find the product or quotient. Write your answer in simplest form.

75.  $\frac{5}{9} \times \frac{3}{4}$

76.  $3\frac{5}{7} \times 4\frac{3}{8}$

77. A recipe calls for  $2\frac{3}{4}$  cups of flour. You already measured  $1\frac{2}{3}$  cups. How much more flour do you need?

78. You bought 9 feet of elastic to make hair ties. Each hair tie needs  $3\frac{3}{8}$  inches of elastic. How many hair ties can you make?

**Write the unit rate.**

79.  $\frac{432 \text{ words}}{6 \text{ minutes}}$

80.  $\frac{48 \text{ yards}}{8 \text{ seconds}}$

**Solve the proportion.**

81.  $\frac{a}{12} = \frac{6}{36}$

82.  $\frac{42}{b} = \frac{3}{8}$

83.  $\frac{6}{18} = \frac{c}{24}$

**Write the percent as a decimal and a fraction.**

84. 36%

85. 71%

**Write the fraction or decimal as a percent.**

86. 0.047

87.  $\frac{13}{20}$



88.  $\frac{5}{8}$

89.  $\frac{16}{24}$

**Order the numbers from least to greatest.**

90. 0.9076, 0.879, 0.937, 0.8912

91. 7.01, 7.2, 7.15, 7.005

92. Order the fractions from least to greatest:  $\frac{7}{8}$ ,  $\frac{3}{4}$ ,  $\frac{8}{6}$ ,  $\frac{4}{10}$ .

93. Order the numbers from least to greatest:  $\frac{9}{5}$ ,  $2\frac{2}{3}$ ,  $\frac{5}{2}$ ,  $\frac{7}{4}$

**Change the measurement to the specified unit.**

94.  $6\frac{1}{2}$  cups to pints

95. 19 feet to yards

96. The scale on a scale drawing is 1 inch : 3 feet. A distance on the drawing is 8 inches. What is the actual distance?

**Use front-end estimation to estimate the sum.**

97.  $5.71 + 2.12 + 3.81 + 2.3$

98. Lauren makes \$5.35 per hour babysitting. She babysat for 6.5 hours on Saturday. How much money did she earn? Round your answer to the nearest cent.

**Divide. Round to the nearest tenth if necessary.**

99.  $5 \overline{) 17.5}$

100.  $0.15 \overline{) 48}$