


Rising Grade 6 Summer Math Packet

Name _____

<p>1. What is the word form of the following decimal: 1.078</p>	<p>2. Solve. What is 40% of 80?</p>	<p>3. Solve. 45.78×8.6</p>	<p>4. Add. $108,956 + 122,462$</p>
<p>5. Solve . $\\$63.45 - \\18.99</p>	<p>6. Compare. <, >, or =. $345,789$ _____ $34,579$</p>	<p>7. Find the perimeter of the given shape. L= 12 in. and W=5 in.</p> 	<p>8. Write the following fractions in lowest terms: A. $\frac{16}{24}$ B. $\frac{36}{60}$</p>
<p>9. Change to a mixed number: $\frac{100}{29}$</p>	<p>10. Solve. Answers should be in lowest terms. $\frac{5}{12} \times \frac{12}{15}$</p>	<p>11. Your peppermint plant is 1.12 inch tall. After one week, it is 2.01 inch tall. How much did the plant grow in one week?</p>	<p>12. Solve. Answers should be in lowest terms. $6\frac{6}{8} + 3\frac{1}{5} =$</p>
<p>13. $70.984 + 32.1 =$</p>	<p>14. Circle the digit is in the ten millions place. 204,567,000,345</p>	<p>15. Solve. Answers should be in lowest terms. $13 - \frac{3}{8}$</p>	<p>16. Solve using PEMDAS (order of operations). $2 + (64 - 58) \times 7$</p>

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<p>17. A clown is $5\frac{3}{4}$ ft tall while barefoot and $1\frac{1}{3}$ ft taller while wearing stilts. How tall is the clown while wearing stilts?</p>	<p>18. Solve. $2.3 - 0.834$</p>	<p>19. Solve. $45,980 \times 24$</p>	<p>20. Sandy had \$ 50 in her purse. She bought a shirt for \$12.98, a pair of pants for \$20, and shoes for \$15.20. How much change did she receive?</p>
<p>21. Solve. Answers should be in lowest terms. $3\frac{2}{5} - 2\frac{2}{3}$</p>	<p>22. Simplify. A. $\frac{98}{6}$ B. $\frac{60}{99}$ C. $\frac{24}{4}$ D. $9\frac{3}{27}$</p>	<p>23. Solve. $897.15 \div 1.5$</p>	<p>24. Ali kicked a soccer ball 13.98 m. What is 13.98 rounded to the nearest tenth?</p>
<p>25. Solve. $12,364 \div 4$</p>	<p>26. An average person's upper leg bone measures 19.88 inches and the lower leg bone measures 16.94 inches. How much longer is the upper leg bone than the lower leg bone?</p>	<p>27. Evaluate the expression for $x = 6$ and $y = 17$. $x + (20 - y)$</p>	<p>28. Solve. Answers should be in lowest terms. $9\frac{2}{3} - 4\frac{3}{4} =$</p>
<p>29. Evaluate the expression: $y \div z$ $y = 3\frac{1}{5}$ and $z = 4\frac{1}{2}$</p>	<p>30. Solve. $2.045 \div 5$</p>	<p>31. Solve. $48 - 2.658$</p>	<p>32. Fred has to read a book for a test in 2 weeks. If he reads the same number of pages per day and the book has 354 pages, how many pages each day does he need to read?</p>

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<p>33. Solve. 892.45 x 0.25</p>	<p>34. Rick said $\frac{3}{5}$ of the movies people went to see this weekend were new releases. If there were 55 movies out, how many were new releases?</p>	<p>35. Solve. Cross cancel to help get the answer to lowest terms. $\frac{12}{15} \times \frac{12}{36}$</p>	<p>36. Solve. Write your answer as a decimal. $1,597 \div 25$</p>
<p>37. Compare. <, >, or =. Remember they must have the same denominator in order to compare. A. $\frac{2}{7}$ _____ $\frac{3}{8}$ B. $2\frac{1}{2}$ _____ $2\frac{1}{3}$ C. $\frac{3}{7}$ _____ $\frac{4}{9}$</p>	<p>38. Solve. Cross cancel to help get the answer to lowest terms. $\frac{16}{24} \div \frac{2}{6}$</p>	<p>39. Solve. 2,900,098 - 989</p>	<p>40. Convert the mixed numbers to improper fractions. A. $2\frac{3}{4} =$ B. $4\frac{1}{6} =$ C. $6\frac{2}{3} =$</p>
<p>41. Charles baked 480 cookies. He wanted to give each class the same number of cookies. If he has 20 classes to feed, how many cookies will each class receive?</p>	<p>42. Solve. $32,908 \times 46$</p>	<p>43. Solve using order of operations. $6 - 12 \div 3 + (15 - 7)$</p>	<p>44. Solve. 6.4×0.4</p>
<p>45. Solve. $367 - 23.79$</p>	<p>46. Solve. $86.24 \div 28$</p>	<p>47. Solve. Answers should be in lowest terms. $1\frac{3}{8} - \frac{3}{4}$</p>	<p>48. Solve for the variable. $x + 456 = 900$ $d - 45 = 136$ $30 - a = 10$</p>

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<p>49. Order the fractions from least to greatest. Find a common denominator first. $\frac{7}{8}$, $\frac{2}{3}$, $\frac{1}{6}$, $\frac{2}{9}$</p>	<p>50. Solve. $31.8 \div 3$</p>	<p>51. Find the area of the following figures. A. square with 4 cm sides B. rectangle with L =3 cm and W = 5 cm</p>	<p>52. Louis walks 2 miles on Monday, 3 miles on Wednesday, and 2.5 miles on Saturday. He wants to walk 10 miles each week. Did he meet his goal? If not, how much more should he have walked?</p>
<p>53. A circle has a diameter of 12.6 so what is the radius of this circle?</p>	<p>54. Determine if the following numbers are prime or composite. A. 27 B. 49 C. 39 D. 43</p>	<p>55. Use your divisibility rules to determine if 2,3,4,5,6,9, or 10 go evenly into these numbers. A. 38,280 B. 945 C. 683</p>	<p>56. What is $\frac{2}{3}$ of 15?</p>
<p>57. Solve the following expressions by writing the expanded notation (repeated multiplication) and find the value. A. 6^2 B. 4^3 C. Five cubed D. 12^0</p>	<p>58. I am a 2 dimensional shape that has four sides. I have four 90 degree angles. I have two sets of parallel lines. I also have two sides that are one length, and my other two sides are a different length. What 2-dimensional shape am I?</p>	<p>59. Prime Factor the following numbers and put your final answer in exponent form. Use a factor tree. A. 48 B. 91</p>	<p>60. Solve . A. $\frac{5}{6} \times 9\frac{1}{2}$ B. $3\frac{2}{3} \times 5$</p>
<p>61. If a student got 17 problems out of 25 problems correct on a test, what percentage of problems did she get correct?</p>	<p>62. Find the missing number to make the fractions equivalent. A. $\frac{5}{8} = \frac{x}{24}$ B. $\frac{x}{10} = \frac{20}{50}$ C. $\frac{14}{x} = \frac{2}{4}$</p>	<p>63. Find the missing number to make the fractions equivalent. $\frac{2}{3} = \frac{n}{12}$</p>	<p>64. Solve. A. $3,600 \div 60$ B. $45,000 \div 900$ C. $270,000 \div 3,000$</p>

Show your work/steps *neatly* in the boxes below. Your final answer should be circled.

1.	2.	3.	4.
5.	6.	7.	8.
9.	10.	11.	12.
13.	14.	15.	16.

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17.	18.	19.	20.
21.	22.	23.	24.
25.	26.	27.	28.
29.	30.	31.	32.

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33.	34.	35.	36.
37.	38.	39.	40.
41.	42.	43.	44.
45.	46.	47.	48.

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49.	50.	51.	52.
53.	54.	55.	56.
57.	58.	59.	60.
61.	62.	63.	64.

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