



Seventh Grade

Summer Math Work
2026



Name _____

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Part 1: The Number System

Show your work inside the boxes provided.

Question & Workspace	Question & Workspace
1. Evaluate: $-12+15$ Answer: _____	2. Evaluate: $-8 - (-5)$ Answer: _____
3. Evaluate: $14 - 20$ Answer: _____	4. Evaluate: -9×6 Answer: _____
5. Evaluate: $-42 \div (-7)$ Answer: _____	6. Evaluate: $-18 + (-22)$ Answer: _____
7. Evaluate: $5 \times (-11)$ Answer: _____	8. Evaluate: $0 \div (-4)$ Answer: _____
9. Evaluate: $-100 \div 25$ Answer: _____	10. Evaluate: $-3 - 7 + 12$ Answer: _____

<p>11. Evaluate: $4.5 + (-1.25)$</p> <p>Answer: _____</p>	<p>12. Evaluate: $-6.2 - 3.8$</p> <p>Answer: _____</p>
<p>13. Evaluate: $-0.5 \times (-0.12)$</p> <p>Answer: _____</p>	<p>14. Evaluate: $-15.6 \div 3$</p> <p>Answer: _____</p>
<p>15. Evaluate: $\frac{2}{3} + \left(-\frac{1}{4}\right)$</p> <p>Answer: _____</p>	<p>16. Evaluate: $-\frac{5}{6} - \frac{1}{2}$</p> <p>Answer: _____</p>
<p>17. Evaluate: $\left(-\frac{3}{5}\right) \times \left(-\frac{10}{9}\right)$</p> <p>Answer: _____</p>	<p>18. Evaluate: $\frac{7}{8} \div \left(-\frac{1}{4}\right)$</p> <p>Answer: _____</p>
<p>19. Evaluate: $-2\frac{1}{2} + 4\frac{3}{4}$</p> <p>Answer: _____</p>	<p>20. Evaluate: $1.8 \div (-0.2)$</p> <p>Answer: _____</p>

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<p>21. Evaluate: $-15 - 7$</p> <p>Answer: _____</p>	<p>22. Evaluate: $-4 \times -3 + 10$</p> <p>Answer: _____</p>
<p>23. Evaluate: $5 - 2 \times (-3)^2$</p> <p>Answer: _____</p>	<p>24. Evaluate: $(-8 + 2) \div 3 - 5$</p> <p>Answer: _____</p>
<p>25. Evaluate: $\frac{-12-4}{-2}$</p> <p>Answer: _____</p>	<p>26. Evaluate: $-15 + (-4) \times 2$</p> <p>Answer: _____</p>
<p>27. Evaluate: $(-3.5) \times 2 + 10$</p> <p>Answer: _____</p>	<p>28. Evaluate: $\frac{3}{5} \div \frac{9}{10}$</p> <p>Answer: _____</p>
<p>29. Evaluate: $-12 - (-18) + 6$</p> <p>Answer: _____</p>	<p>30. Evaluate: $2 - 9 \times (-3)$</p> <p>Answer: _____</p>

<p>31. Evaluate: $0.75 - 1.5 + 2.25$</p> <p>Answer: _____</p>	<p>32. Evaluate: $\left(-\frac{1}{3}\right) + \left(-\frac{5}{6}\right)$</p> <p>Answer: _____</p>
<p>33. Evaluate: $-48 \div (-6) \times (-2)$</p> <p>Answer: _____</p>	

Part 2: Expressions & Equations

Show your work inside the boxes provided.

Question & Workspace	Question & Workspace
<p>34. Simplify: $3x + 5 - x - 12$</p> <p>Answer: _____</p>	<p>35. Simplify: $-2(4x - 7)$</p> <p>Answer: _____</p>
<p>36. Simplify: $5y - 3(2y - 4)$</p> <p>Answer: _____</p>	<p>37. Simplify: $\frac{1}{2}(4a + 8) - 3a$</p> <p>Answer: _____</p>
<p>38. Factor completely: $12x - 18$</p> <p>Answer: _____</p>	<p>39. Expand: $-4(-3m + 2.5)$</p> <p>Answer: _____</p>

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<p>40. Combine terms: $2.5b - 4 + 1.5b - 8$</p> <p>Answer: _____</p>	<p>41. Solve for x: $x - 14 = -5$</p> <p>Answer: _____</p>
<p>42. Solve for y: $-4y = 36$</p> <p>Answer: _____</p>	<p>43. Solve for m: $\frac{m}{-3} = -9$</p> <p>Answer: _____</p>
<p>44. Solve for x: $2x + 7 = 19$</p> <p>Answer: _____</p>	<p>45. Solve for y: $5 - 3y = 26$</p> <p>Answer: _____</p>
<p>46. Solve for a: $\frac{a}{4} - 2 = -7$</p> <p>Answer: _____</p>	<p>47. Solve for x: $-6(x - 2) = 42$</p> <p>Answer: _____</p>
<p>48. Solve for m: $0.5m + 1.2 = 3.7$</p> <p>Answer: _____</p>	<p>49. Solve for x: $\frac{2}{3}x - 4 = 8$</p> <p>Answer: _____</p>
<p>50. Solve for x: $-x + 9 = -2$</p> <p>Answer: _____</p>	<p>51. Solve: $x + 5 > -2$</p> <p>Answer: _____</p>

<p>52. Solve: $-3y \leq 12$</p> <p>Answer: _____</p>	<p>53. Solve: $2x - 7 < 5$</p> <p>Answer: _____</p>
<p>54. Solve: $\frac{m}{-2} + 4 \geq 1$</p> <p>Answer: _____</p>	<p>55. Write an inequality for: "Five times a number n minus 3 is at most 22."</p> <p>Answer: _____</p>
<p>56. Solve your inequality from question 55.</p> <p>Answer: _____</p>	<p>57. Solve: $8 - y > 15$</p> <p>Answer: _____</p>
<p>58. Solve: $\frac{3}{4}x < -9$</p> <p>Answer: _____</p>	<p>59. Simplify: $4(x + 2) - 2(x - 3)$</p> <p>Answer: _____</p>
<p>60. Factor completely: $15x + 35$</p> <p>Answer: _____</p>	<p>61. Solve for n: $-3n - 8 = 10$</p> <p>Answer: _____</p>
<p>62. Solve for k: $\frac{k}{5} + 6 = 2$</p> <p>Answer: _____</p>	<p>63. Solve: $-2x + 5 < -7$</p> <p>Answer: _____</p>

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<p>64. Simplify: $6g - 4 - 8g + 9$</p> <p>Answer: _____</p>	<p>65. Solve for w: $0.4w - 0.6 = 1.4$</p> <p>Answer: _____</p>
<p>66. Solve: $4x - 12 \geq 20$</p> <p>Answer: _____</p>	

Part 3: Ratios & Proportional Relationships

Show your work inside the boxes provided.

Question & Workspace	Question & Workspace
<p>67. Find the unit rate: 120 miles traveled in 2.5 hours.</p> <p>Answer: _____</p>	<p>68. Find the unit rate: \$4.50 spent for 6 ounces of juice.</p> <p>Answer: _____</p>
<p>69. Solve for x: $\frac{3}{5} = \frac{x}{25}$</p> <p>Answer: _____</p>	<p>70. Solve for y: $\frac{8}{y} = \frac{12}{15}$</p> <p>Answer: _____</p>

<p>71. A map scale is 1 in. = 50 mi. How far apart are two cities separated by 3.5 in.?</p> <p>Answer: _____</p>	<p>72. If 4 lbs of apples cost \$6.00, how much will 7 lbs cost?</p> <p>Answer: _____</p>
<p>73. Identify the constant of proportionality (k) from the equation $y = 4.5x$.</p> <p>Answer: _____</p>	<p>74. A table shows values where $x=2, y=10$ and $x=5, y=25$. Find k.</p> <p>Answer: _____</p>
<p>75. Does a line through (0,0) and (3,9) represent a proportional relationship? Explain.</p> <p>Answer: _____</p>	<p>76. Find the unit rate from a linear graph passing through the point (1, 15).</p> <p>Answer: _____</p>
<p>77. Write a proportional equation for a relationship with a unit rate of \$12/hr.</p> <p>Answer: _____</p>	<p>78. Find 15% of \$80.</p> <p>Answer: _____</p>
<p>79. 24 is what percent of 60?</p> <p>Answer: _____</p>	<p>80. Find the total cost of a \$45 jacket with an added 6% sales tax.</p> <p>Answer: _____</p>

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<p>81. A \$75 pair of shoes is discounted by 20%. Find the sale price.</p> <p>Answer: _____</p>	<p>82. Find simple interest earned on \$500 at a 4% annual rate for 3 years.</p> <p>Answer: _____</p>
<p>83. A bill is \$32.00. If you leave an 18% tip, what is the total amount paid?</p> <p>Answer: _____</p>	<p>84. A store buys a tablet for \$150 and marks it up by 40%. Find the retail price.</p> <p>Answer: _____</p>
<p>85. Calculate percent change: A class size grows from 40 to 50 students.</p> <p>Answer: _____</p>	<p>86. Calculate percent error: You estimate a book weighs 10 oz, but it weighs 8 oz.</p> <p>Answer: _____</p>
<p>87. 45 is 75% of what number?</p> <p>Answer: _____</p>	<p>88. Convert the fraction $\frac{7}{20}$ into a percentage.</p> <p>Answer: _____</p>
<p>89. Convert the decimal 0.045 into a percentage.</p> <p>Answer: _____</p>	<p>90. A \$2,000 account earns 5% annual simple interest. How much is earned after 6 months?</p> <p>Answer: _____</p>

<p>91. An item for \$120 is marked down 10%, then an additional 10% off that sale price. Find the final price.</p> <p>Answer: _____</p>	<p>92. Find the unit rate: A runner covers $\frac{1}{4}$ mile in $\frac{1}{30}$ hour.</p> <p>Answer: _____</p>
<p>93. Solve for n: $\frac{n}{12} = \frac{5}{6}$</p> <p>Answer: _____</p>	<p>94. If 3 t-shirts cost \$27, write an equation linking total cost (c) to shirts (s).</p> <p>Answer: _____</p>
<p>95. Find the total cost of a \$65 meal after adding an 18% tip.</p> <p>Answer: _____</p>	<p>96. A store marks down a \$200 phone by 15%. What is the discount amount?</p> <p>Answer: _____</p>
<p>97. 12 is what percent of 80?</p> <p>Answer: _____</p>	<p>98. Convert $\frac{3}{8}$ into a decimal and a percentage.</p> <p>Answer: _____</p>
<p>99. A toy's price drops from \$25\$ to \$20. Find the percentage decrease.</p> <p>Answer: _____</p>	<p>100. You borrow \$1,000\$ for 2 years at a 6% simple interest rate. Find total interest paid.</p> <p>Answer: _____</p>