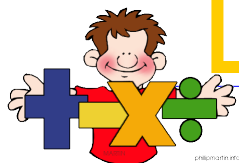


# Math Connections



## Math Course 1—Week 1 Answers

### Rates And Units Rates 7.1.1 - 7.1.3 Answers

#### Answers

- |                        |                                 |                                |                      |
|------------------------|---------------------------------|--------------------------------|----------------------|
| 1. 54 cups             | 2. 75 min                       | 3. 2550 miles                  | 4. $3\frac{2}{3}$ hr |
| 5. 32 gallons          | 6. C, B, A                      | 7. C, A, B                     | 8. 162.7 mi/hr       |
| 9. $\approx 14.15$ m/s | 10. $\approx \$0.10/\text{min}$ | 11. 25 m/g; $\frac{1}{25}$ g/m | 12. 6 ft/hr          |

### Operations With Decimals 7.2.3 Answers

#### Answers

- |                    |                   |                 |                           |               |
|--------------------|-------------------|-----------------|---------------------------|---------------|
| 1. 12.6            | 2. 6.75           | 3. 45.42        | 4. 131.14                 | 5. 696.73     |
| 6. 435.392         | 7. 56.8383        | 8. 97.34936     | 9. 10.000                 | 10. 100.0000  |
| 11. 1.7937         | 12. 2.13087       | 13. 88.194      | 14. 115.973               | 15. 305.245   |
| 16. 504.231        | 17. 51.856        | 18. 337.258     | 19. 347.2732              | 20. 459.98476 |
| 21. 4.13           | 22. 1.88          | 23. 1.332       | 24. 3.285                 | 25. 2.624     |
| 26. 3.651          | 27. 6.569         | 28. 7.63        | 29. 5.348                 | 30. 8.957     |
| 31. 0.362          | 32. 0.257         | 33. 1.2862      | 34. 1.547                 | 35. 2.436     |
| 36. 1.394          | 37. 5.815         | 38. 4.427       | 39. 11.2304               | 40. 43.7067   |
| 41. 46.976         | 42. 14.9513       | 43. 0.376       | 44. 0.15                  | 45. 12.5632   |
| 46. 0.04982        | 47. 16.578        | 48. 12.14946    | 49. 0.000020              | 50. 0.0000028 |
| 51. 0.10105        | 52. 0.031104      | 53. 0.000000078 | 54. 0.000000130           | 55. 0.000838  |
| 56. 0.0004763      | 57. 0.2418        | 58. 0.1806      | 59. 1.4                   | 60. 0.02105   |
| 61. 1.7875 or 1.79 | 62. 3.664 or 3.66 | 63. 24.55       | 64. $3.86\bar{3}$ or 3.86 | 65. 4.18      |
| 66. 4.74           | 67. 23,650        | 68. 13,400      | 69. 125,000               | 70. 8400      |
| 71. 41.25          | 72. 29.05         | 73. 4209.09     | 74. 2334.78               | 75. 5.04      |
| 76. 11.98          | 77. 1007          | 78. 1407        | 79. 47.11                 | 80. 95.75     |

Equivalent Fractions 3.1.1 Answers

Fraction Decimal Percent Equivalents 3.1.2-3.1.5 Answers

Operations with Fractions 3.1.2 Answers

Ratios 3.1.6 Answers

Operations with Integers 3.2.1 and 3.2.2 Answers

Absolute Value 3.2.3 Answers

Four Quadrant Graphing 3.2.4 Answers