

Basic Math Homework #15

- 1) Simplify: $86.987 \div 10,000$
- 2) Simplify: $\sqrt{3.61}$
- 3) Simplify: $4.95 \div 6.7$ (Round your answer to four decimal places)
- 4) Simplify: $8.74(.00098)$
- 5) Simplify:
$$\frac{\frac{7}{48} + \frac{3}{64}}{\frac{5}{36} - \frac{1}{24}}$$
- 6) Carl owed a balance of \$17,098 on his new car. What would the monthly payment be in order to pay off that balance in 48 months? (Round off the payment to the nearest cent)
- 7) Simplify: $(5.3 - 2.06)^2 - 4.27(2.09) + 6.0078$
- 8) What is the cost of 7.28 yards of fabric that costs \$3.89 per yard? (Round off your answer to the nearest cent)
- 9) Simplify: $78.00785 - (25.69 - 3.007)$
- 10) A company has 479 workers on its payroll. If the average weekly pay of an employee is \$578.36, how much is the company's weekly payroll?
- 11) Simplify: $\sqrt[3]{1.331} + 3.7(7.09 - 5.8)^2 - 4.5373 \div 2.89$
- 12) If it takes 37,860 gallons to fill up a swimming pool and you are trying to fill it up with a bucket that holds 4.8 gallons, how many buckets will it take to fill up the pool?
- 13) Simplify: $10.52688 \div (203.163 - 15.183)$
- 14) If the average temperatures each day for a week were 71.4, 53.5, 68.2, 70.3, 55.9, 73.2, and 61.8, what was the average temperature for the week?
- 15) Simplify: $(8.00567)^0 \div .05(6.709 - 4.34) + \sqrt{.001764}$
- 16) If Robert uses 13.8 gallons of gas on a trip and he paid \$2.89 per gallon for the gas, how much did gas cost him for the entire the trip? (Round your answer to the nearest cent)

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- 17) Simplify: $78.9 \div 1000 + (3.4 - 1.07)^2$
- 18) If Mary walks 4.8 miles on Monday, 5.37 miles on Tuesday, and 3.046 miles on Wednesday, how far does Mary walk?
- 19) Simplify: $.3(5.48 - 5.46)^3 + .01(4.06 - 3.96)^2$
- 20) If Jay bought 19.7 square yards of carpeting that cost \$18.95 per square yard, how much did he spend on carpeting? (Round your answer to the nearest cent)

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