

Basic Math Homework #5

- 1) Simplify: $78,308 \div 681$
- 2) Simplify: $\sqrt[5]{1024}$
- 3) A city recorded the following high temperatures for a week in July: 87, 91, 79, 88, 80, 88, and 82. What were the mean, median, and mode for that week?
- 4) Write the number 309,453,000,089 in words.
- 5) Simplify: $\frac{8}{8}$
- 6) Simplify: $12 \div 6(3 - 1) + 2^3 - 3^2$
- 7) If a professor can grade 17 papers in an hour, how many papers can he grade in 13 hours?
- 8) Simplify: $8^0 + 81 \div 9(1 + 2)^2 - 3^3 + \sqrt[3]{343}$
- 9) If Jason buys 4 televisions for \$257 each, 3 laptops for \$489 each, and 5 tablets for \$275 each, find the total cost.
- 10) Simplify: $2[3^2 - (1 + 1)^3 + \sqrt[3]{27 - 9^0}]^2 - 16 \div 8(3 - 1)^0$
- 11) Kim makes monthly payments to pay off a car loan of \$15,389. If she makes twenty four payments of \$637 each and then makes a final payment to pay off the balance, how much is the final payment?
- 12) Simplify: $6^0 + \sqrt{5929} - 1^4 - 12 \div 2(3 - 1)^3$
- 13) How many four ounce cups can be filled from a 128 ounce bottle?
- 14) Simplify: $72 \div 8 \div 3 + 4^2 - 3^2$
- 15) Find the average cost of Karl's grocery bills if his bills are \$237, \$125, \$329, and \$57.

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- 16) Simplify: $4(5-3)^3 - \sqrt[3]{125} - 7^0$
- 17) If Joe is 23 years older than Dan, how old is Dan if Joe is 67?
- 18) Simplify: $\sqrt{2601} - 2(3-1)^4 + 6 \div 3(1+1)$
- 19) If Brittany's annual income is \$43,296, what is her monthly income?
- 20) Simplify: $3(5-1)^2 \div 2(2+4) \div 6^0$

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