

## Basic Math Homework #16

- 1) If the average temperatures each day for a week January were 25.4, 31.9, 18.2, 26.7, 33.8, 42.7, and 8.2, what was the average temperature for the week?
- 2) Simplify:  $6.3 \div \sqrt{.1296} - .8(5.29 - 3.802) + 4.087^2$
- 3) If Gianna uses 17.9 gallons of gas on a trip and she paid \$2.67 per gallon for the gas, how much did gas cost her for the entire the trip? (Round your answer to the nearest cent)
- 4) Simplify:  $2.9(6.3 - 4.1)^3 - 5.8 \div 100 + \sqrt[3]{.000343}$
- 5) If Abigail bought 16.8 square yards of carpeting that cost \$19.47 per square yard, how much did she spend on carpeting? (Round your answer to the nearest cent)
- 6) Put the following fractions in descending order:  $\frac{5}{8}$ ,  $\frac{3}{4}$ ,  $\frac{7}{9}$ ,  $\frac{11}{16}$ ,  $\frac{2}{3}$
- 7) Change  $\frac{5}{8}$  into a decimal.
- 8) Simplify:  $\frac{5}{12} - 2.3 \div 20.7 + \sqrt{5\frac{4}{9}}$
- 9) Put the following fractions in ascending order:  $\frac{7}{12}$ ,  $\frac{31}{54}$ ,  $\frac{43}{72}$ ,  $\frac{11}{18}$ ,  $\frac{29}{48}$
- 10) If a baseball team won 8 games and lost 12 games, what is the ratio of games won to games played?
- 11) Change .048 into a fraction.
- 12) Put the following fractions in descending order:  $\frac{13}{40}$ ,  $\frac{25}{64}$ ,  $\frac{7}{16}$ ,  $\frac{17}{48}$ ,  $\frac{7}{24}$
- 13) If it takes Barbara 144 minutes to read 64 pages, at what rate is she reading?
- 14) Change  $\frac{7}{96}$  into a decimal.
- 15) Put the following fractions in ascending order:  $\frac{10}{21}$ ,  $\frac{17}{36}$ ,  $\frac{19}{42}$ ,  $\frac{13}{28}$ ,  $\frac{29}{63}$

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## Basic Math Homework #16

- 16) Simplify:  $.4\left(2.6 - \frac{8}{10}\right) + 1.392 \div .24 + \sqrt{3.61}$
- 17) A bag of marbles contains 7 red marbles, 15 blue marbles, and 18 green marbles. What is the ratio of the not green marbles to the green marbles?
- 18) Put the following fractions in descending order:  $\frac{19}{20}$ ,  $\frac{41}{45}$ ,  $\frac{53}{60}$ ,  $\frac{29}{30}$ ,  $\frac{14}{15}$
- 19) Simplify:  $62.5 \div 100 + \frac{12}{5}\left(2.4 - \frac{11}{8}\right)$
- 20) In a class of 24 students, 8 are men. Find the ratio of women to men.

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