

## Basic Math Homework #9

- 1) Round 136,099,783 to the hundreds place.
- 2) What are the whole numbers less than 7?
- 3) Simplify:  $\sqrt{\frac{1083}{867}}$
- 4) Simplify:  $\frac{1105}{561} \cdot \frac{616}{364}$
- 5) Is the number 283 prime or composite? If it is composite, what is its prime factorization?
- 6) Find the quotient of  $\frac{96}{108}$  and  $\frac{192}{144}$
- 7) Simplify:  $\frac{154}{117} \div \frac{165}{663} \cdot \frac{105}{238}$
- 8) Simplify:  $\frac{5}{24} + \frac{7}{36} - \frac{1}{20}$
- 9) Simplify:  $\frac{54}{72} \div \frac{2^3}{18} \div \left(\frac{3}{4}\right)^2$
- 10) Simplify:  $\frac{5}{686} + \frac{3}{98}$
- 11) Find the quotient of  $\frac{322}{759}$  and  $\frac{364}{429}$
- 12) Simplify:  $\frac{28}{54} \div \frac{98}{72} \cdot \frac{99}{121}$
- 13) Simplify:  $\frac{11}{54} - \frac{1}{48} - \frac{4}{27}$

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14) Simplify:  $\left(\frac{2}{3}\right)^3 \cdot \frac{72}{64} \div \left(\frac{2}{3}\right)^2$

15) Simplify:  $\frac{5}{726} - \frac{2}{1089}$

16) Find the quotient of  $\frac{45}{27}$  and 5

17) Simplify:  $\frac{249}{451} \div \frac{0}{189} \cdot \frac{237}{171}$

18) Simplify:  $\frac{11}{12} - \frac{7}{27} + \frac{5}{24}$

19) Simplify:  $\frac{625}{128} \div \left(\frac{5}{4}\right)^3 \div \left(\frac{1}{2}\right)^2$

20) Simplify:  $\frac{25}{507} - \frac{7}{845}$

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