# Basic Math Homework #9

1) Round 136,099,783 to the hundreds place.

2) What are the whole numbers less than 7?

3) Simplify: $\sqrt{\dfrac{1083}{867}}$

4) Simplify: $\dfrac{1105}{561} \cdot \dfrac{616}{364}$

5) Is the number 283 prime or composite? If it is composite, what is its prime factorization?

6) Find the quotient of $\dfrac{96}{108}$ and $\dfrac{192}{144}$

7) Simplify: $\dfrac{154}{117} \div \dfrac{165}{663} \cdot \dfrac{105}{238}$

8) Simplify: $\dfrac{5}{24} + \dfrac{7}{36} - \dfrac{1}{20}$

9) Simplify: $\dfrac{54}{72} \div \dfrac{2^3}{18} \div \left(\dfrac{3}{4}\right)^2$

10) Simplify: $\dfrac{5}{686} + \dfrac{3}{98}$

11) Find the quotient of $\dfrac{322}{759}$ and $\dfrac{364}{429}$

12) Simplify: $\dfrac{28}{54} \div \dfrac{98}{72} \cdot \dfrac{99}{121}$

13) Simplify: $\dfrac{11}{54} - \dfrac{1}{48} - \dfrac{4}{27}$

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

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

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

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

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

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

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