

Pre-Algebra Homework #6

- 1) Simplify: $9 - 4 + 2 - 5 - 1 + 7 - 2 - 8 - 3$
- 2) Simplify: $231,040,161 - 15,887,998$
- 3) Find the product of 8,967 and 65,438
- 4) Simplify: $-54 \div 9|-4-2|-3|-1-1|^3$
- 5) Simplify: $\sqrt[3]{343}$
- 6) Simplify: $3(2-5)^3 \div 9(-1-2) - 9^0$
- 7) Simplify: $\frac{4620}{1710}$
- 8) Simplify: $\sqrt[3]{\frac{1331}{2744}}$
- 9) Simplify: $\frac{8}{27} - \frac{1}{18} + \frac{3}{10}$
- 10) Simplify: $\frac{35}{24}\left(\frac{7}{12} - \frac{1}{20}\right) \div \left(\frac{7}{6}\right)^2$
- 11) Convert $13\frac{11}{19}$ to an improper fraction.
- 12) Simplify: $\frac{\frac{9}{32} - \frac{5}{24}}{\frac{1}{18} + \frac{7}{48}}$
- 13) Write fifty two million eight and three hundred-thousandths in decimal notation.
- 14) Simplify: $.512 \div 3.7$
- 15) If Ben walks 6.2 miles on Monday, 4.91 miles on Tuesday, and 3.807 miles on Wednesday, how far does Ben walk?

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16) Put the following fractions in descending order: $\frac{17}{72}$, $\frac{3}{32}$, $\frac{5}{108}$, $\frac{49}{144}$, $\frac{81}{256}$

17) Solve: $\frac{420}{324} = \frac{225}{108x}$

18) Convert 75 miles per hour into inches per second

19) 24 is what percent of 108?

20) Solve: $\frac{686}{432} = \frac{196x}{180}$

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