

Name:

Pre-Algebra

Date:

Test 1

- 1) Simplify:  $54,763 + 590,082 + 574 + 4,945,703 + 4,835$
- 2) Subtract 78,946 from 92,709
- 3) Find the product of 8,769 and 798
- 4) Find the quotient of 560,475 and 694 (round answer to three decimal places)
- 5) Find the quotient of 67.909 and 7.8 (round answer to two decimal places)
- 6) Find the prime factorization of 323. If the number is prime, write prime.
- 7) Simplify:  $\frac{686}{255} \div \frac{245}{663} \cdot \frac{440}{572}$
- 8) Simplify:  $\frac{13}{80} + \frac{13}{120}$
- 9) Grace plans to buy seven shirts that cost \$39 each, five sweaters that cost \$67 each, and six pairs of pants that cost \$48 each. What is the total cost?
- 10) Solve:  $\frac{819}{429} = \frac{357}{x}$
- 11) Change  $3\frac{3}{4}\%$  into a fraction
- 12) Simplify:  $3\frac{1}{21} \cdot 9\frac{3}{16} \cdot 2\frac{11}{35}$
- 13) Change  $\frac{7}{16}$  into a percent
- 14) Jonny's bank balance at the beginning of the week was \$917.39. He wrote checks for \$259.48, \$9.34, \$256.81, \$73.55, and \$170.28 during the week. He deposited \$306.87 at the end of the week. What is Jonny's new balance?
- 15) Find 0.8% of 960

Name:

Pre-Algebra

Date:

Test 1

16) Simplify:  $-4^2 + \sqrt[3]{1331} - (-2-1)^3 - 8^0 - 18 \div 6(-2-1) - 2^4$

17) Simplify:  $\frac{\frac{144}{256}}{\frac{162}{216}}$

18) Change  $8\frac{7}{32}$  into a decimal

19) What is the cost of  $8\frac{2}{3}$  yards of lace at \$7.68 per yard? (round off your answer to the nearest cent if necessary)

20) Simplify  $\frac{\frac{9}{64} - \frac{5}{48}}{\frac{7}{72} + \frac{1}{32}}$

21) Simplify  $-2^3 - (-1-2)^2 - 48 \div 8(-9+3) - 4^0 - \sqrt[4]{625}$

22) Simplify:  $7 \div 0$

23) Convert 75 MPH into feet per second

24) Simplify:  $8.52(10^5)$

25) Simplify:  $\sqrt[3]{6859}$

\*\*\*EXTRA CREDIT\*\*\*

26) Solve  $\sqrt[5]{243} - 8(3-2) - 2^3 - (-3-1)^0$

7<sup>th</sup> Grade Pre-Algebra  
Answer Key – Test 1

- 1) 5,595,957
- 2) 13,763
- 3) 6,997,662
- 4) 807 R417 or 807.600864553
- 5) 8.71
- 6)  $17 \cdot 19$
- 7)  $\frac{28}{5}$
- 8)  $\frac{13}{48}$
- 9) \$896
- 10)  $x = 187$
- 11)  $\frac{3}{80}$
- 12)  $\frac{324}{5}$  or  $64\frac{4}{5}$  or 64.8
- 13) 43.75%
- 14) \$454.80
- 15) 7.68 or  $\frac{192}{25}$
- 16) 14
- 17)  $\frac{3}{4}$
- 18) 8.21875
- 19) \$66.56
- 20)  $\frac{21}{74}$
- 21) 13
- 22) Undefined
- 23) 110 feet per second
- 24) 852,000
- 25) 19
- 26) -14