

Math 70 (Pre-Algebra) Entrance Exam Review - Sample

Use this sample to help determine your placement. The Entrance Exam Review is online at: <http://www.wamap.org/diag> (click on GRCC Entrance Exam Review). Password is: **grccee**. Entrance Exams are administered in the GRCC Assessment Center (ZWC building). The exams are online utilizing the WAMAP system.

- 1) Evaluate: $5(11 - 6) + 13$
- 2) Use the order of operations to simplify the expression
 $(8 - 3)^2 + 12 \div 3$
- 3) Find the least common multiple of 15 and 20
- 4) Find: 2^4
- 5) Factor 7875 into its prime factors
- 6) Write $\frac{6}{18}$ in lowest terms
- 7) A rectangular coffee table is $7\frac{1}{2}$ inches wide and 22 inches long. What is the area of the coffee table? (Hint: area of a rectangle is length times width)
- 8) How many $7\frac{1}{4}$ ounce containers can be filled from 174 ounces of hand lotion?
- 9) Bill ate $\frac{1}{3}$ of a pizza and Tom ate $\frac{1}{5}$ of the pizza. What fraction of the pizza has been eaten?
- 10) A $3\frac{5}{6}$ foot long piece of fabric is cut from a 13 foot long piece of fabric. How much of the fabric is left?
- 11) Convert the fraction $\frac{10}{9}$ to a decimal. Round your answer to three decimal places.
- 12) Round 159.328 to the nearest hundred

13) Which of these decimals is the smallest?

0.2845 0.29 0.285 0.286

14) Find the product of 4.6 and 3.39

15) A pack of gum costs \$1.60. How many packs can you buy with \$38.40?

16) $\sqrt{56}$ is between which two integers?

17) The fraction $\frac{4}{5}$ is equivalent to what percent?

18) 88 is 55 percent of what number?

19) Use the appropriate conversions listed to convert 9 yards into inches.

1760 yards = 1 mile

3 feet = 1 yard

12 inches = 1 foot

20) Use the order of operations to simplify this expression

$$\left(\frac{1}{4} + \frac{5}{16}\right) \cdot \frac{2}{3}$$