MATH 015

(No Calculators)

1. $492 + 938$
2. $3(62)$
3. $43 \cdot 65$
4. $5002 - 687$
5. $(8000)(40)$
6. Round 456,520 to the nearest thousand.
7. $264 \div 4$
8. Round 5893.2684 to the nearest hundredth.

Answers:

1. 1430
2. 186
3. 2795
4. 4315
5. 320,000
6. 457,000
7. 66
8. 5893.27

LEWIS CLARK STATE COLLEGE

MATH 023 OR MATH 025

(No Calculators)

1. Rewrite $\frac{5}{8}$ as a percent.
2. What is the length of the hypotenuse on a right triangle if the two legs are 6 cm and 8 cm?
3. $\frac{5}{9} \div \frac{5}{6} =$
4. $\frac{16 \div 4 \cdot 2}{12 - 8} =$
5. Find the x and y intercepts:
   $y = 2x - 5$
6. If $x = 4$ and $y = -3$, solve:
   $-x^2 + y \cdot x$
7. What is the volume of an aquarium that is 24 in. long, 12 in. wide, and 12 in. high?
8. Simplify: $3(9x + 2) - 7x + 2$
9. Solve for x: $\frac{1}{4}x - 3 = 5$
10. If the price of skis drops from $328 to $216, what is the percent decrease? (Round to the nearest percent.)

Answers:

1. 62.5%
2. 10 cm
3. $\frac{2}{3}$
4. 2
5. (2.5, 0), (0, -5)
6. -28
7. 3456 in^3
8. $20x + 8$
9. 32
10. 34%

SUPPLEMENT "P" COURSES

Are you nervous about taking a college-level math course? Do you think you would benefit from a smaller lab course that is designed to help you succeed in math? Do you feel a little under-prepared for college-level math?

That's precisely what our supplement "P" courses were created to help you with! We want you to be successful in your college math courses and this is one tool we've created to do that.

Supplement math courses differ in topic by the course they are supplementing, but all provide just-in-time preparation for the mathematical skills students need to be successful in their college-level math courses.

With an emphasis on problem-solving and college-readiness skills, these courses not only provide you with the math content you need to be successful in college-level math courses but they also help you with overall skills to be successful as a college math student.

While creating a cohort with students like you, you'll find that supplement courses help you find your mathematical footing.

YOU Can Do Math at LCSC.

Have a conversation with your advisor, and consider these questions when choosing your course pace.

- How many credits are you taking this semester?
- How many hours per week do you work?
- What other personal time commitments do you have?
- How confident do you feel in math?
- Have you attempted a college math course in the past?
- Have you recently completed high school Algebra II with an A or B?
- Each 1 credit in college requires 2 hours of study time outside of class per week. A 3-credit math course would typically require 6 hours outside of class time per week. Have you set aside the time to successfully complete a math course this semester?

MATH PLACEMENT
MATH 015, MATH 023, AND MATH 025

Course descriptions are shown below. Sample problems for each math course are found on the back of this pamphlet. The expectation is that you know how to do these problems when entering the course. Do you recognize these problems? Can you complete them all correctly? This, along with your High School GPA, GED, or SAT/ACT scores, can help you determine how much review you need and the pacing you'll want to complete your math courses.

MATH 015: ARITHMETIC AND PRE-ALGEBRA — 3 CREDITS

Arithmetic with whole numbers, signed numbers, fractions, and decimals. Order of operations, variables, simplifying of algebraic expressions. Concrete representations of arithmetic operations and algebraic concepts are emphasized. Particularly appropriate for students who experience anxiety when learning mathematics.

Additional emphasis in: problem solving (including percent and ratios), solving single variable equations, and introducing graphing linear equations. (Placement: Level A or higher)

MATH 023: BASIC ALGEBRA FOR MATH AS A LIBERAL ART — 3 CREDITS

Brief review of integer arithmetic, fraction arithmetic, percent and order of operations. Evaluating formulas. Units and unit analysis. Solving equations in one variable and using equations in one variable to solve application problems. Graphing linear equations, intercepts, slope, writing the equation of a line. Introduction to functions. Average rate of change, introduction to linear and exponential models. Simplifying exponential expressions, scientific notation, introduction to logarithms. Introduction to sets, counting methods, and discrete probability. (Placement: Level B or higher)

MATH 025: BASIC ALGEBRA — 3 CREDITS

Brief review of pre-algebra. Solving equations and inequalities in one variable; applications. Evaluating formulas; unit analysis. Graphing linear equations, intercepts, slope, writing the equation of a line, introduction to functions. Average rate of change and linear models. Graphing linear inequalities. Systems of linear equations; applications. Exponent rules and scientific notation. Addition, subtraction, multiplication, and factoring of polynomials in one variable. Using the zero product property to solve quadratic equations in one variable. (Placement: Level B or higher)