

## Proper Placement in the Quantitative Reasoning Pathway MATH 095/115

***MATH 115 is offered in two ways: As a stand-alone course taken on its own, or as part of a corequisite pair, taken in conjunction with a support course. Please carefully consider the following to ensure that you have the greatest chance at success!***

**What is a Corequisite Course?** MATH 095 is a 3-credit support course that is taken during the same semester as MATH 115. The goal in MATH 095 is to provide students exposure to or reminders about topics and techniques in mathematics that are necessary for problem-solving and quantitative reasoning skills. MATH 095 is split into several units that mirror the units in MATH 115. In MATH 095, introductions to and practice with foundational skills will occur just in time for those skills to be utilized in MATH 115 applications.

### **Who Should Take the Corequisite Pair of Courses? (095 and 115 together)**

- Students who find they need to work on building a firmer understanding of the foundational skills necessary for success in MATH 115. (See the questions on page two of this document.)
- Students who appreciate additional instructor support in a math class.
- Students who would like extra instruction, practice, and repetition with math concepts in a structured format.

### **Who Might Be Successful in The Stand-Alone Course? (115 only)**

- Students who feel fairly confident with their understanding of the foundational skills necessary for success in MATH 115. (See the questions on page two of this document.)
- Students who are in the habit of independently seeking out extra practice as needed and will work to improve their understanding of concepts, even if points are not attached to those practice problems.

### **Potential Consequences of Misplacement:**

- **Underprepared for MATH 115** - If you place yourself in the stand-alone course and are underprepared in the foundational skills, you may struggle to keep up.
- **Overprepared for MATH 095** - If you place yourself in the corequisite support course and don't actually need it, you may lose interest or motivation to complete assignments.

**ALEKS Placement Test (PPL)** – If you would like to assess your current skill level in math, you have the option of taking a virtual placement test via this link: [www.kvcc.edu/services/testing/placement.php](http://www.kvcc.edu/services/testing/placement.php). An ALEKS score of at least 30 is suggested to be successful in MATH 115. Upon completion of this test, you will also gain access to individualized learning modules where you can review topics and increase your content knowledge.

**Prerequisite Skills Quiz** – To take MATH 115 as a stand-alone course, you should be able to confidently complete the quiz below, showing work to support your answers. A calculator should be the only aid utilized. Check your answers using the solutions at the bottom of the page. If you are confident with these tasks and get most of them correct, you may not need the support course. If the concepts are not familiar to you or you get several of them wrong, you may want to consider taking MATH 095 along with MATH 115.

Questions:
1. Convert $\frac{3}{5}$ into an equivalent decimal and percentage.
2. Simplify: $\frac{105}{120}$
3. Round 254.5713 to the nearest tenth.
4. Evaluate using the Order of Operations: $5 + 2(10)$
5. Solve: $\frac{3}{x} = \frac{10}{7}$
6. Solve: $2x - 17 = 30$
7. Translate the following into an algebraic equation: <i>“The length of a rectangle is 4 feet less than twice its width.”</i>
8. A group of 300 KVCC students were surveyed and 65% of them reported working 30 hours or more each week. How many students reported working 30 hours or more each week?

**MATH 095/115 Course Coordinators** – If you have further questions about either of these courses, please reach out to Nicole Newman at [nnewman@kvcc.edu](mailto:nnewman@kvcc.edu) or Nicole McClure at [nmclure@kvcc.edu](mailto:nmclure@kvcc.edu).

**Actions for Students Questioning Their Placement:**

- **Talk to Your Instructor** – If the semester begins and you think you might be misplaced, please reach out to your instructor so you can make that determination together. Some schedule adjustments may require your instructor to submit additional paperwork to authorize the changes.
- **Adding MATH 095** – Drop the stand-alone course and add the pair of courses (two new CRN #'s).
- **Dropping MATH 095** – Drop the pair of courses and add the stand-alone course (one new CRN #).
- **What if even MATH 095 is too difficult?**
  - **Option 1:** Drop or withdraw from the pair of courses and work independently in ALEKS PPL modules or with our math coach to build skills (a less structured approach).
  - **Option 2:** Complete the free Gateway to College Math Program (a structured 6-week course with instructor support). Visit <https://www.kvcc.edu/math/> for more information.

**Solutions for the Prerequisite Skills Quiz:**

- |                |                  |                 |       |              |
|----------------|------------------|-----------------|-------|--------------|
| 1. 0.6 and 60% | 2. $\frac{7}{8}$ | 3. 254.6        | 4. 25 | 5. $x = 2.1$ |
| 6. $x = 23.5$  | 7. $L = 2W - 4$  | 8. 195 students |       |              |