

College Readiness: What does it really take?

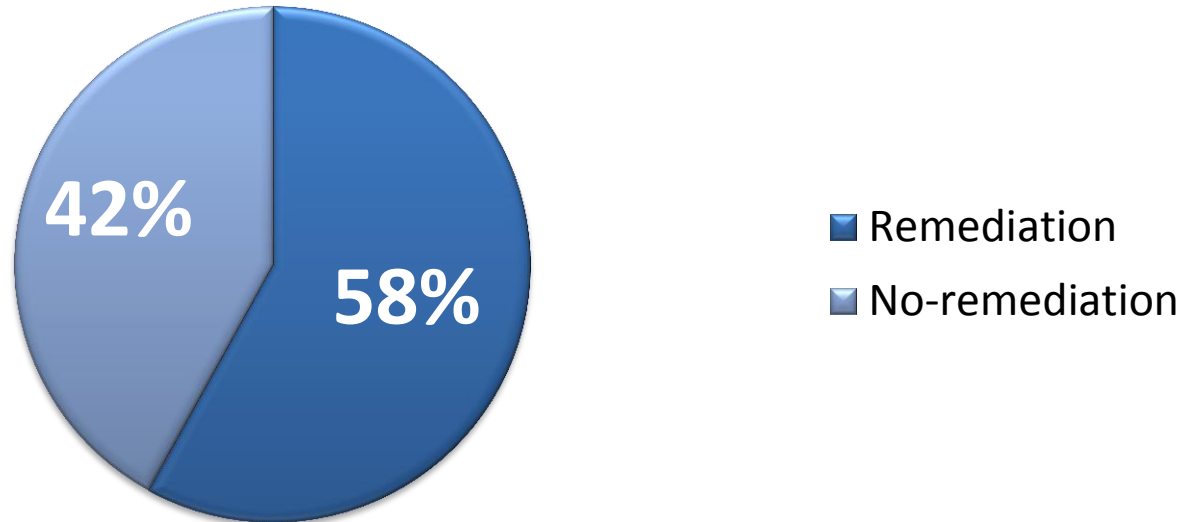
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Overview

- Impact remediation has on college completion
- Nebraska student remediation rate
- Strategies to reduce remediation

National Data: Recent High School Graduates



58 percent of recent high school graduates who entered community colleges took at least one developmental course. Only about one quarter of these students (28 percent) went on to earn any degree or certificate within 8.5 years ([Attewell, Lavin, Domina, & Levey, 2006](#)).

A CCRC study of 250,000 community college students found that only 20 percent of students referred to developmental math and 37 percent of students referred to developmental reading go on to pass the relevant entry-level or "gatekeeper" college course ([Bailey, Jeong, & Cho, 2008](#)).

National Data

- **\$7,000,000,000**
 - Dev. Ed Sequence Completion:
 - 33% students referred to developmental math
 - 46% students referred to developmental reading
 - Level of Dev. Ed placement:
 - Lowest level math - 17% students complete the sequence
 - Highest level math - 45% complete the sequence
- [\(Bailey, Jeong, & Cho, 2008\)](#)*

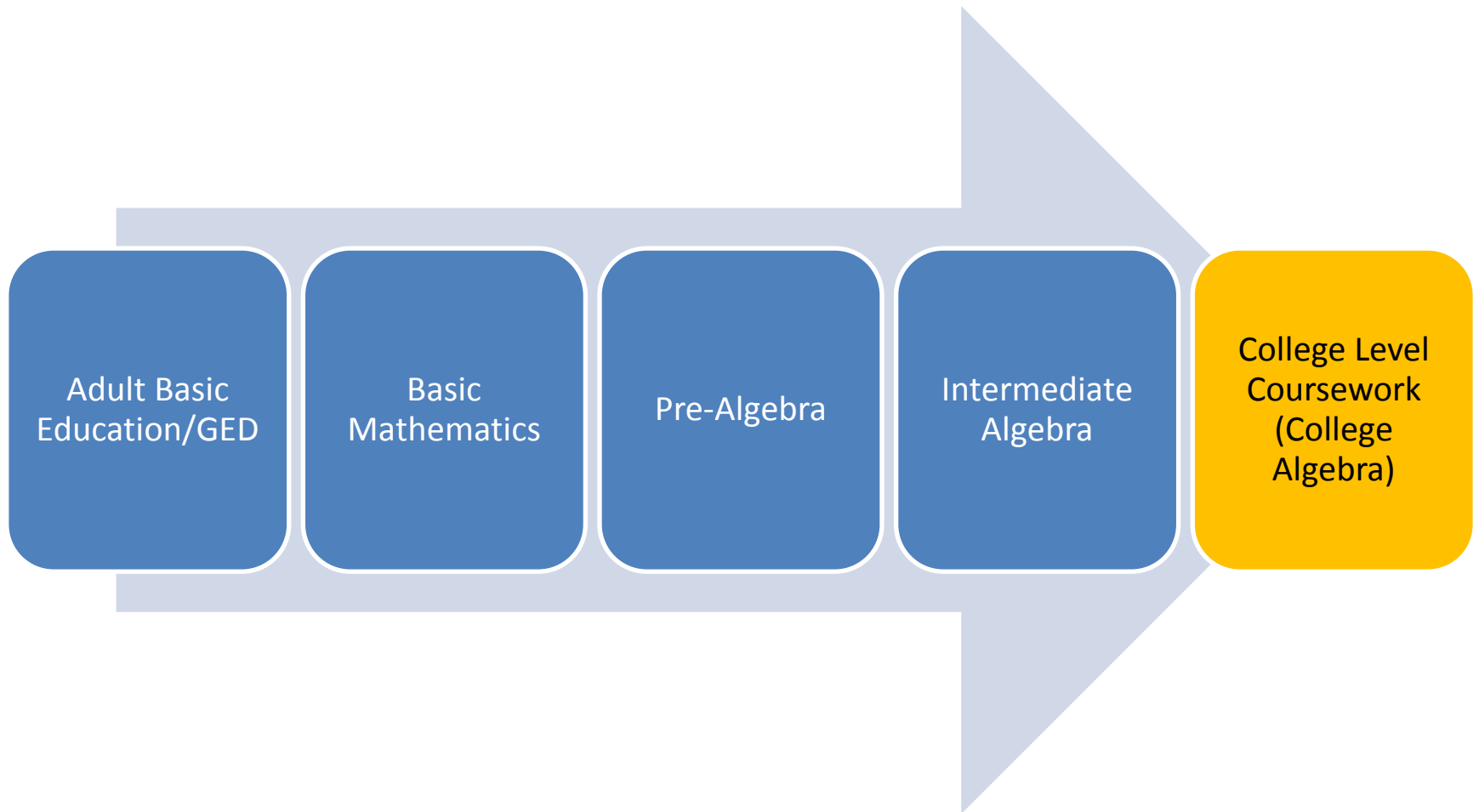
What is remediation?



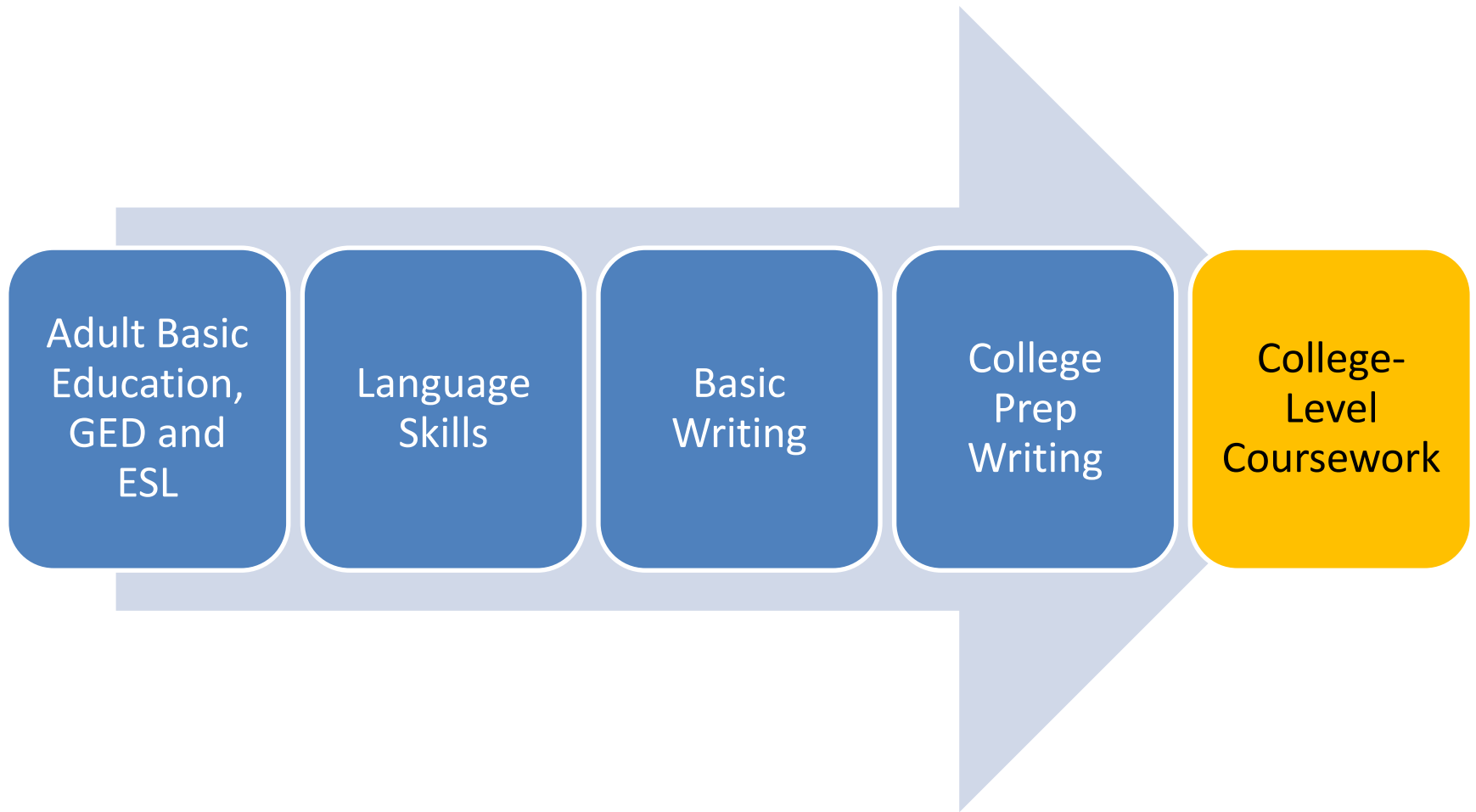
Assessments

- COMPASS/Asset
 - What are cut scores?
[Writing/Reading OLD](#) [Math OLD](#)
[NEW RECOMMENDED CUT SCORES](#)
 - How are they used to place students?
- ACT
 - Can students use their ACT score instead of taking the COMPASS?
 - How do ACT scores relate to COMPASS scores?
 - Why would a student want to take the COMPASS if they have already taken the ACT?

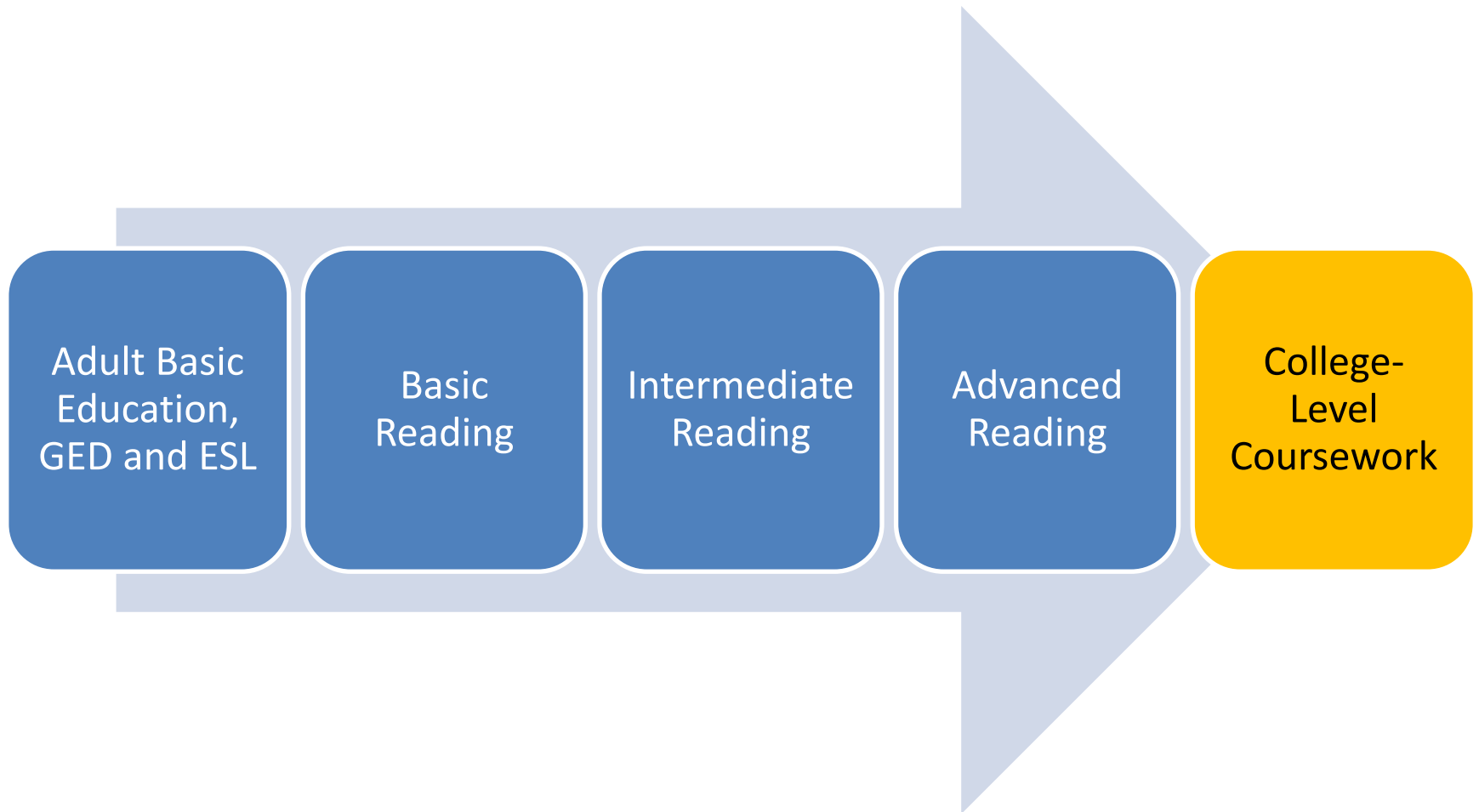
Sequence of Mathematics Coursework



Sequence of Writing Coursework



Sequence of Reading Coursework



Economic Impact

- Average national student loan debt: \$29,400
Average Nebraska student loan debt:
\$26,473
- 63% of Nebraska students graduate college with debt

*College loan debt exceeds credit card debt –
think about the social implications!*

Nebraska Student Remediation Rate

Nebraska's community colleges aggregated remediation rates of recent high school graduates from 2012 and 2013:

- Mathematics \approx 30%
- Reading \approx 20%
- Writing \approx 18%

Strategies to Reduce Remediation

- Students
 - Take assessments in Junior year
 - Identify areas of need, work with teachers to improve skills
- Educators
 - Embed academic standards in your course content
 - Understand college-level coursework, hold students to standard in junior/senior classwork
 - June 9 – 11, 2014 Workshop
- EdReady.org (NROC) – ESU CC



Get ready for college and career!

EdReady lets you check your readiness for college math, then gives you a personalized study path. If you're thinking about what's next for college and career, be smart and know your options.

[Get Started](#)



Sign Up

Your activation email will be sent to this address.



why is this required?

By clicking the button you agree to the [privacy policy](#).

SIGN UP

SIGN UP AS GUEST

What do you want to be ready for?

EdReady will help you prepare for college and career goals. Choose one or more of the options on your dashboard to get started.

Your goals

All goals




Find Colleges. Check your math readiness.

The card features a blue background with a magnifying glass over a green classical building. Inside the magnifying glass is the algebraic expression $b^2 + 3b =$.

[? More Info](#)

[✔ Add to goals](#)




Prepare for the ACT® or SAT®

The card features an orange background with two white document icons. The left document is labeled 'SAT' and the right is labeled 'ACT'. Both documents have a pencil icon at the bottom.

[? More Info](#)

[✔ Add to goals](#)



Prepare for Common Placement Exams

The card features a teal background with a white document icon labeled 'PLACEMENT' and a red bar chart with four bars of increasing height. A pencil icon is also present on the document.

[? More Info](#)

[✔ Add to goals](#)



Prepare for Common Placement Exams

Choose one of the assessments below.



Accuplacer Math Preparation

[view details](#) ▶

[/ Start assessment](#)



COMPASS® Math Preparation

[view details](#) ▶

[/ Start assessment](#)



Complete this assessment to gain an understanding of your math readiness.

Answer the questions as best you can, without study aids (calculators are ok), in order to get the most accurate picture of your current understanding.

The time of completion will vary. Expect to take about an hour.

If you need to leave before your assessment is complete, your work will automatically be saved until your next visit to EdReady.

Close

Start assessment now

COMPASS® Math Preparation

Whole Numbers

Progress: 

The movement of the progress bar may be uneven because questions can be worth more or less (including zero) depending on your answer.

Simplify: $(\sqrt{36} - 4)^3 \cdot 5$

The solution is

Save and close

I don't know

COMPASS® Math Preparation

updated May 29th, 2014

[view details](#) ▼**Units you should study:**

| | |
|---|--------------|
| Fractions and Mixed Numbers | NOT READY |
| Decimals | NEEDS REVIEW |
| Ratios, Rates, and Proportions | NOT READY |
| Percents | NEEDS REVIEW |
| Geometry | NOT READY |
| Concepts in Statistics | NOT READY |
| Real Numbers | NOT READY |
| Solving Equations and Inequalities | NOT READY |
| Exponents and Polynomials | NOT READY |
| Factoring | NOT READY |
| Graphing | NOT READY |
| Systems of Equations and Inequalities | NOT READY |
| Rational Expressions | NOT READY |
| Radical Expressions and Quadratic Equations | NOT READY |
| Functions | NOT READY |
| Trigonometry | NOT READY |

Units you have mastered:

| | |
|---------------|----------|
| Whole Numbers | MASTERED |
|---------------|----------|

[Go to study plan](#)



Welcome to your Study Plan!

The units you need to study to reach your **Target Score** are shown on the scorebar at the top of the page. The units are shown in a suggested order of study, but you may study in any order you like.

Choose *View Resources* to study the recommended topics. You may want to *Check Your Knowledge* first for any topic (or the whole unit) to be sure you really need to study the material. Either way, be sure to *Check Your Knowledge* after you've studied to see if you have now mastered the material. You may *View Resources* and *Check Your Knowledge* as many times as you need.

As you master the topics (and units), they will move off of your **Study Plan** to the lists on the right-hand side and your **EdReady Score** will rise. Master all of the material in your **Study Plan** to reach your **Target Score**!

OK



Fractions and Mixed Numbers

Recommended study time: 4 hours



Mastered topics: 0 of 8

[/ Check Your Mastery](#) ?

▼ Topics you need to study in this unit



Introduction to Fractions and Mixed Numbers

Recommended study time: 30 minutes:



[/ Check your Knowledge](#)

[View Resources](#)



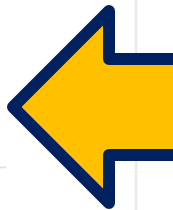
Proper and Improper Fractions

Recommended study time: 30 minutes:



[/ Check your Knowledge](#)

[View Resources](#)



Introduction to Fractions and Mixed Numbers

Topic Text

Topic Home

Warm Up

Presentation

Worked Examples

Practice

Review

There is no **Warm Up** this time, so work through the **Presentation**, **Worked Examples**, **Topic Text** and **Practice** problems. Then, take the **Review** to test your understanding of this topic.

(1,8), (1,8), (2,8), (3,8), (1,9), (2,9)
 (1,8), (2,8), (3,8), (1,9), (2,9)
 (2,8), (3,8), (1,9), (2,9)
 (8,1), (8,2), (8,3), (9,1), (9,2)

Select the best answer:

Correct

Each (x,y) pair appears in the table and every row in the table is represented.

Warm Up

Absolute Value with a Variable

$|x+3| = 3$

$x = 3, -3$

Presentation

Calculate the area of a rectangular room that is 13 feet wide and 12 feet long.

Area = 13×12

13
 $\times 12$

 26
 104

 156

Worked Examples

Whether what you just learned by working out the answers to these questions.

Which of the following will include the variable in the expression $(3x + 20)$?

Add 20, then divide by 3.
 Subtract 20, then divide by 3.
 Divide by 3, then subtract 20.
 Multiply by 3, then add 20.

Practice

Select a test value:

bold line - Plot two points on the graph to create the bold line.

Review



- Identify the numerator and denominator of a fraction.
- Represent a fraction as part of a whole or part of a set.

Questions?

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