

Assignment

Write

Select the word that makes the following statement true. Then, use complete sentences to explain your choice.

The LCM of two numbers is always, sometimes, never the product of the two numbers.

LESSON 2: Searching for Common Ground

Remember

You can decompose numbers into a product of their prime factors. You can compose numbers into multiples. You can relate numbers using their greatest common factor and their least common multiple.

Practice

1. Construct a factor tree and write the prime factorization for each number.

a. 36

b. 40



2. Consider the numbers 18 and 30.

a. List all of the factors of 18.

b. List all of the factors of 30.

c. What factors do 18 and 30 have in common?

d. What is the greatest common factor of 18 and 30?

3. Consider the numbers 54 and 72.

a. Create a table of prime factors of 54 and 72.

b. Identify the common factors of 54 and 72.

c. Identify the greatest common factor of 54 and 72.

4. For each pair of numbers, determine the least common multiple and at least one other common multiple.

a. 3 and 5

b. 4 and 6

c. 8 and 12

Stretch

Determine the LCM or GCF for each.

1. LCM: 8, 14

2. LCM: 15, 18

3. GCF: 27, 36

4. GCF: 90, 60

Review

Use the Distributive Property to write an equivalent addition expression for each.

1. $4b + 7$

2. $14 + 3f$

3. $\frac{1}{2}d + 10$

Decompose each rectangle into two smaller rectangles to demonstrate the Distributive Property. Then write each in the form $ab + c = d + ab + ac$.

4.



5.



Answers For Carnegie Learning Student Assignment

Kenneth T. Henson



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First Aid for Teacher Burnout Jenny Grant Rankin, 2022-08-24 Offering clear strategies rooted in research and expert recommendations the new edition of *First Aid for Teacher Burnout* empowers teachers to prevent and recover from burnout while finding success at work in a sustainable way Each chapter explores a different common cause of teacher burnout and provides takeaway strategies and realistic tips Chapter coverage includes fighting low morale diminishing stress streamlining grading reducing workload leveraging collaboration using technology to your advantage managing classroom behavior advocating for support from your administration securing the help of parents and community and more New in this edition the author expands on discussion about teacher activism using digital resources as well as a wealth of tips throughout for those teaching virtually Full of reflection exercises confessions from real teachers and veteran teacher tips this accessible book provides easy to implement steps for alleviating burnout problems so you can enjoy peace and success in your teaching

Design Recommendations for Intelligent Tutoring Systems: Volume 7 - Self-Improving Systems Benjamin Goldberg, 2019-10-23 This book on self improving systems is the seventh in a planned series of books that examine key topics e g learner modeling instructional strategies authoring domain modeling assessment impact on learning team tutoring self improving systems data visualization in intelligent tutoring system ITS design This book focuses on self improving systems The discussion chapters in this book examine topics through the lens of the Generalized Intelligent Framework for Tutoring GIFT GIFT is a modular service oriented architecture created to reduce the cost and skill required to author ITSs distribute ITSs manage instruction within ITSs and evaluate the effect of ITS technologies on learning performance retention transfer of skills and other instructional outcomes *Intelligent Systems and Sustainable Computational Models* Rajganesht Nagarajan, Senthil Kumar Narayanasamy, Ramkumar Thirunavukarasu, Pethuru Raj, 2024-06-03 The fields of intelligent systems and sustainability have been gaining momentum in the research community They have drawn interest in such research fields as computer science information technology electrical engineering and other associated engineering disciplines The promise of intelligent systems applied to sustainability is becoming a reality due to the recent advancements in the Internet of Things IoT Artificial Intelligence Big Data blockchain deep learning and machine learning The emergence of intelligent systems has given rise to a wide range of techniques and algorithms using an ensemble approach to implement novel solutions for complex problems associated with sustainability *Intelligent Systems and Sustainable Computational Models Concepts Architecture and Practical Applications* explores this ensemble approach towards building a sustainable future It explores novel solutions for such pressing problems as smart healthcare ecosystems energy efficient distributed computing affordable renewable resources mitigating financial risks monitoring environmental degradation and balancing climate conditions The book helps researchers to apply intelligent systems to computational sustainability models to propose efficient methods techniques and tools The book covers such areas as Intelligent and adaptive computing for sustainable

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Developing Student Analysis in the U.S. History Classroom Christopher Watkins,2008 **Constructivist Methods for Teaching in Diverse Middle-level Classrooms** Kenneth T. Henson,2004 Constructivist Strategies for Proactive Middle Level Teachers is designed to prepare prospective middle level teachers for their first classroom experience and to help in service teachers improve their teaching skills Each of the themes in this book addresses a major goal set by the Carnegie Council on Academic Development or by the National Middle School Association particularly selected for middle level programs The book employs as its focus constructivism multiculturalism and a proactive approach to teaching all topics of concern importance to teacher educators Prospective middle level teachers California Journal of Secondary Education ,1944 *California Quarterly of Secondary Education* ,1944

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