

# SCALE FACTOR AND DILATIONS

Draw a line from the arrow on card A to its solution in the top corner of a card in column #2. Continue to draw lines showing the path from each card to its solution in the opposite column until you end back at the solution on card A.

## COLUMN #1

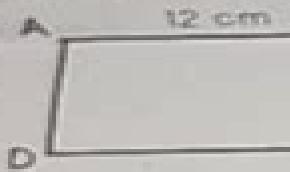
Find the scale factor used in the dilation below.



48 in



C Find the scale factor used in the dilation below.



35 in



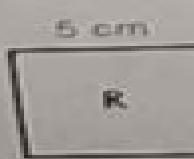
E Find the scale factor used in the dilation below.



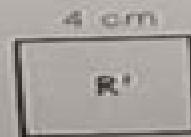
60 in



G Find the scale factor used in the dilation below.



3 in.



## COLUMN #2

1/2

The figure will be dilated by a scale factor of 1.2. Find the new length.

W: 25 in



L: 40 in

1.5

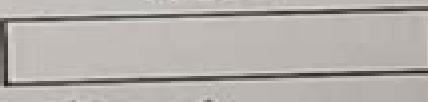
The figure will be dilated by a scale factor of 3.5. Find the new measure of the base.



5/2

The figure will be dilated by a scale factor of 0.2. Find the new width.

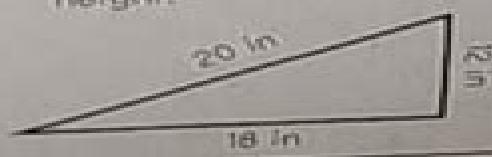
W: 16 in



15 x 30

0.8

The figure will be dilated by a scale factor of 5. Find the new height.



# 1 6 Dilations Scale Factor Answer Key

**M Carnoy**

## 1 6 Dilations Scale Factor Answer Key:

*Math, Grade 8* Rolanda Williams Baldwin, 2016-01-04 Interactive Notebooks Math for grade 8 is a fun way to teach and reinforce effective note taking for students. Students become a part of the learning process with activities about rational numbers, multistep equations, functions, the Pythagorean theorem, scatter plots, and more. This book is an essential resource that will guide you through setting up, creating, and maintaining interactive notebooks for skill retention in the classroom. High interest and hands on interactive notebooks effectively engage students in learning new concepts. Students are encouraged to personalize interactive notebooks to fit their specific learning needs by creating fun, colorful pages for each topic. With this note taking process, students will learn organization, color coding, summarizing, and other important skills while creating personalized portfolios of their individual learning that they can reference throughout the year. Spanning grades kindergarten to grade 8, the Interactive Notebooks series focuses on grade specific math, language arts, or science skills. Aligned to meet current state standards, every 96-page book in this series offers lesson plans to keep the process focused. Reproducibles are included to create notebook pages on a variety of topics, making this series a fun one of a kind learning experience.

**TEExES Mathematics 4-8 (115), 2nd Ed., Book + Online** Trena L. Wilkerson, Trena Wilkerson, 2017-09-05 Get ready for the TEExES Math 4-8 exam with targeted review, end of chapter quizzes, expert test-taking strategies, 2 full-length practice tests, and an online graphing calculator tutorial.

**New York Math: Math A**, 2000

**Mathematize It! [Grades 6-8]** Kimberly Morrow-Leong, Sara Delano Moore, Linda M. Gojak, 2020-08-21 Help students reveal the math behind the words I don't get what I'm supposed to do. This is a common refrain from students when asked to solve word problems. Solving problems is about more than computation. Students must understand the mathematics of a situation to know what computation will lead to an appropriate solution. Many students often pluck numbers from the problem and plug them into an equation using the first operation they can think of or the last one they practiced. Students also tend to choose an operation by solely relying on key words that they believe will help them arrive at an answer without careful consideration of what the problem is actually asking of them. *Mathematize It! Going Beyond Key Words to Make Sense of Word Problems* Grades 6-8 shares a reasoning approach that helps students dig into the problem to uncover the underlying mathematics, deeply consider the problem's context, and employ strong operation sense to solve it. Through the process of mathematizing, the authors provide an explanation of a consistent method and specific instructional strategies to take the initial focus off specific numbers and computations and put it on the actions and relationships expressed in the problem. Sure to enhance teachers' own operation sense, this user-friendly resource for Grades 6-8 offers a systematic mathematizing process for students to use when solving word problems. Gives practice opportunities and dozens of problems to leverage in the classroom. Provides specific examples of questions and explorations for multiplication and division, fractions, and decimals, as well as operations with rational numbers. Demonstrates the use of visual representations to model problems.

with dozens of short videos Includes end of chapter activities and reflection questions How can you help your students understand what is happening mathematically when solving word problems Mathematize it **MAA Notes** ,1983

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**Turned On** James King,Doris Schattschneider,1997-10-30 Articles about the uses of active exploratory geometry carried out with interactive computer software Middle School Math, Course 3 McDougal Littell Incorporated,2004 **Mathematics**

McGraw-Hill Staff,2000-09 **High School Geometry Unlocked** The Princeton Review,Heidi Torres,2016-08-09 This eBook edition has been specially formatted for on screen viewing with cross linked questions answers and explanations UNLOCK THE SECRETS OF GEOMETRY with THE PRINCETON REVIEW Geometry can be a daunting subject That s why our new High School Unlocked series focuses on giving you a wide range of key techniques to help you tackle subjects like Geometry If one method doesn t click for you you can use an alternative approach to understand the concept or problem instead of painfully trying the same thing over and over without success Trust us unlocking geometric secrets doesn t have to hurt With this book you ll discover the link between abstract concepts and their real world applications and build confidence as your skills improve Along the way you ll get plenty of practice from fully guided examples to independent end of chapter drills and test like samples Everything You Need to Know About Geometry Complex concepts explained in clear straightforward ways Walk throughs of sample problems for all topics Clear goals and self assessments to help you pinpoint areas for further review Step by step examples of different ways to approach problems Practice Your Way to Excellence Drills

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***The Canadian Journal of Cardiology***,2005 ***Image Analysis and Processing*** Alberto del Bimbo,1997-09-03 This book is part of the refereed 2 volume proceedings of the 9th International Conference on Image Analysis and Processing ICIAP 97 held in Florence Italy September 1997 Both volumes together present several keynote contributions and 173 revised papers selected from over 300 submissions The contributing authors more than 400 in number provide a wealth of new results in the areas of image analysis pattern recognition and computer vision Among the basic topics covered are image enhancement image segmentation image compression motion analysis object recognition image understanding and special hardware architectures and systems etc Among the application areas covered are biomedical imaging character recognition safety and surveillance object identification etc ***Physics Briefs*** ,1986 ***Science Abstracts*** ,1965 ***Electrical & Electronics Abstracts*** ,1988 ***Abridged Index Medicus*** ,1994 ***Government Reports Announcements & Index*** ,1987-12 ***Biological Abstracts*** Jacob Richard Schramm,1974 ***Metals Abstracts*** ,1976

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