

THE SEARCH FOR THE NEXT MATH TEXTBOOK AUTHOR

Math textbooks by students for students

CREATE THREE TEXTBOOK PAGES

Design Pages for a Math Textbook

Scudder Publishing is looking for collaborators to help create the next Math textbook. We want to develop a math textbook written by students for students. On the next page is a list of math topics you learned about in 6th grade. Choose three topics and create a page for each topics for a math textbook.

DEFINE TOPIC AND VOCABULARY

Define key ideas for each topic and define any necessary vocabulary.

Describe in words what the topic is and define any key ideas or vocabulary. What are the ideas and words you needed clearly described when you were learning this skill.

THE BEST MATH TEXTBOOKS HAVE DETAILED EXAMPLES

Include several example problems

Create three sample problems for each topic and show the steps of solving. The best textbooks include worked out examples that include different levels of difficulty.

WE LOVE MATH MISTAKES!

Mathematicians learn from their mistakes!

Do you remember some of the mistakes you made the first time to attempted this skill? Pick a few common errors to illustrate and give a tip on how to prevent making the mistake in the future.

RESOURCES

Here are some useful math websites

- www.mathisfun.com
- www.purplemath.com
- www.aaamath.com
- www.khanacademy.com

DESIGN THREE PAGES IN A WAY THAT WOULD HAVE HELPED YOU LEARN

WRITE OUT CLEAR DIRECTIONS ON HOW TO SOLVE THE PROBLEM

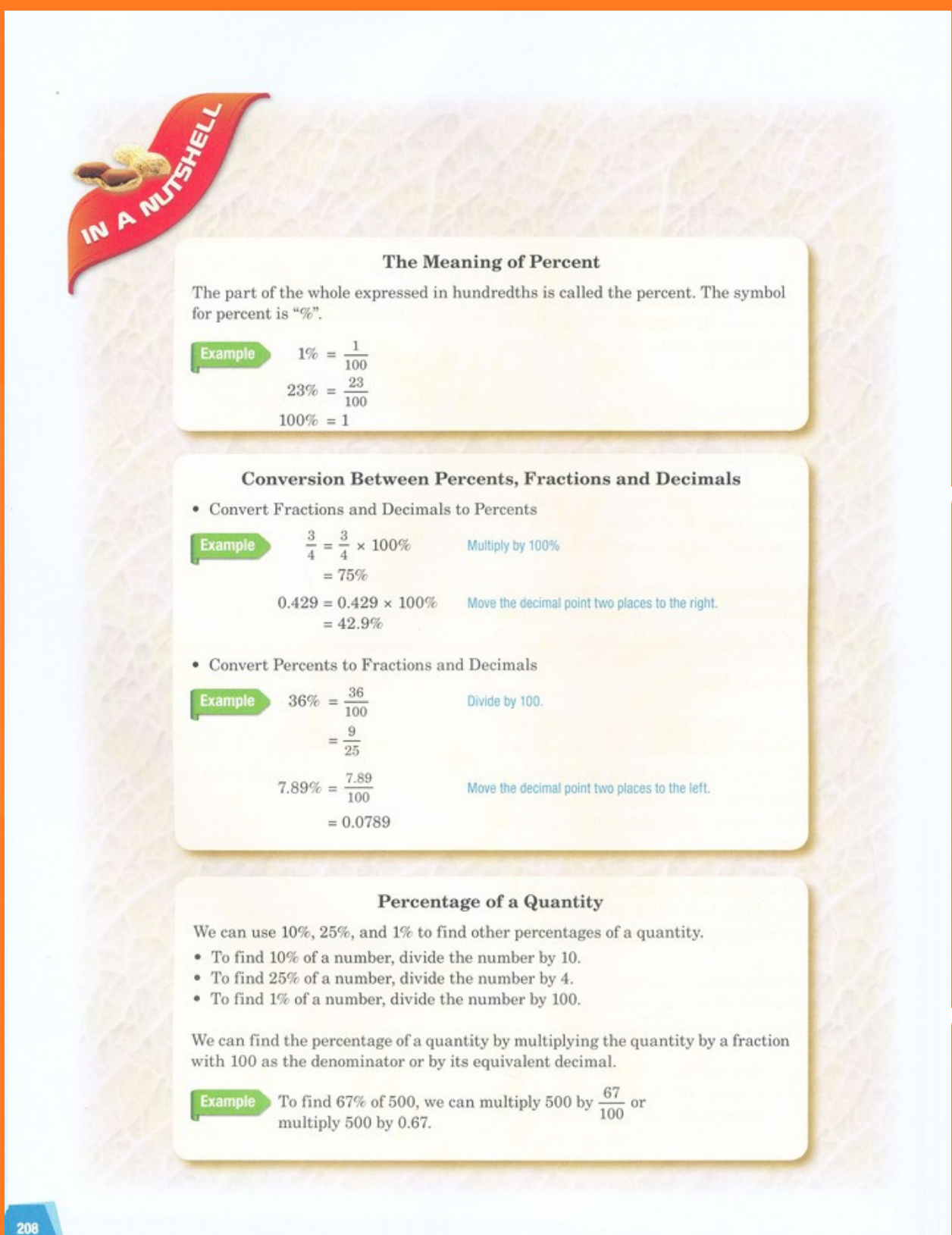
INCLUDE WORKED OUT EXAMPLES AND ADDRESS COMMON MISTAKES

TOPIC LIST

CHOOSE THREE TOPICS FROM THE LIST BELOW AND CREATE TEXTBOOK PAGES THAT EXPLAIN THOSE SKILLS

- Identifying a Least Common Multiple & Greatest Common Factor
- Adding/Subtracting Fractions
- Multiplying/Dividing Fractions
- Rounding Numbers (Rounding Rules)
- Ordering Rational Numbers (rational numbers include positive & negative numbers, fractions, and decimals)
- Order of Operations
- Plotting Points on a Coordinate Plane
- Measures of Central Tendency (Mean, Median, & Mode)

Below is a textbook page as an example. It is missing examples of common errors but it is a place to start. Use your creativity and take some risks. The most important thing is you put effort and thought into your pages!



THIS PROJECT SHOULD TAKE YOU APPROXIMATELY 2 TO 5 HOURS TO COMPLETE.

YOU CAN CREATE YOUR PAGES ON PAPER OR DIGITALLY

BE READY TO TURN YOUR PAGES IN BY THE END OF THE FIRST WEEK OF SCHOOL.