

**AUTHOR:**

Stuart J. Murphy

The Sharks swim team would like to go to swim camp this summer, but they need money! Luckily for them the local paper is offering a deal: any team who swims a total of 75 laps by Friday will get to go. Let's go Sharks!

Ages: 6 to 8 years**Interest Level:**

1st Grade to 3rd Grade

ATOS Reading Level:

3.2

Lexile: 590L**ISBN:** 9780064467353**Copyright:** 2001**Genre:** Fiction**Classification:** Picture Story Book

Shark Swimathon

Will the Sharks swim team get to go to swim camp this summer?

Topics: subtracting two-digit numbers, composing and decomposing tens

Math Connections: Use *Shark Swimathon* to reinforce the skill of two-digit subtraction. In the story, as the coach subtracts each day's laps from the Sharks' goal, she talks through the steps of subtracting ones from ones and tens from tens. She also talks about when she needs to decompose (borrow) a ten to make enough ones to be able to subtract when necessary. You may need to find out what word your child has learned to describe this step in subtraction: decompose, borrow, rename, regroup, or something else.

If your child does not yet understand regrouping in subtraction, use concrete objects to explain. Money works well! Collect some dimes and pennies. Give your child 3 dimes and 2 pennies, and keep a "bank" of pennies. Ask how much money they have. Then tell your child they need to buy something for 15 cents. Show them how to change one of the dimes for 10 pennies. Show them how this exchange is the same as regrouping a ten when they are solving a subtraction problem on paper.

To practice regrouping in subtraction, you might have your child come up with a goal they would like to achieve by the end of a week. It should be something that involves two-digit numbers. For example: collect 50 rocks, drink 30 cups of water, run/walk 12 miles, etc. Ask your child to write the goal on a piece of paper and then subtract each day's total. Celebrate when they make their goal!

Extension Questions:

1. Do you think the Sharks will meet their goal of 75 laps by Friday? Why or why not?
2. What is another way Coach Blue could have kept track of the number of laps the Sharks had swum? Could she have used addition?
3. In the story, Coach Blue used the traditional way of subtracting with regrouping. What other strategies could you use to solve a subtraction problem?



EARLY MATH PROJECT LITERATURE REVIEW

Vocabulary for Building Math Concepts	subtracted, totaled
Vocabulary for Extending Math Concepts	decomposing tens, place value, regrouping, renaming
Vocabulary for Reading Comprehension	gobbled, goggles, hammerhead, lap, swimathon

Early Math Project Resources:

Race to Zero: <https://bit.ly/3wtFkVi> (English)

Spanish Version Coming Soon!

Online Resources:

Math Start Activities for Shark Swimathon: <http://bit.ly/3jlCrjz>

Age Level	Related Preschool Foundations and CA State Standards
Grades K-3	California Common Core State Math Standards https://bit.ly/31No7bP
Grade 1	Number and Operations in Base Ten 1.NBT.2 Understand place value. 1.NBT.4 , 1.NBT.5 Use place value understanding and properties of operations to add and subtract.
Grade 2	Number and Operations in Base Ten 2.NBT.3 Understand place value. 2.NBT.5 , 2.NBT.6 , 2.NBT.7 Use place value understanding and properties of operations to add and subtract.
Grade 3	Number and Operations in Base Ten 3.NBT.2 Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.

Spanish Title: Not available

Also available in:
French

Related Books:

Alexander Who Used to be Rich Last Sunday by Judith Viorst; *You Can't Buy a Dinosaur With a Dime* by Harriet Ziefert

Find this book at your local library: [https://www.worldcat.org/title/shark-swimathon/oclc/919345517&referer=brief results](https://www.worldcat.org/title/shark-swimathon/oclc/919345517&referer=brief_results)

