

**AUTHOR:**

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Eleven truck drivers deliver thirty-nine animals and the top of a merry-go-round ride. Add up the tigers, swans, frogs, horses, and pandas as they pass by.

Ages: 4 to 6 years**Interest Level:**

Preschool to 1st Grade

ATOS Reading Level:

1.6

Lexile: 490L**ISBN:** 9780064467162**Copyright:** 1998**Genre:** Fiction**Classification:**

Picture Story Book



Animals on Board

Where are all the animals going?

Topics: addition, equations

Math Connections: Use the book *Animals on Board* to explore addition with your child. Look at the addition problems throughout the book and talk about how the numbers, addition signs, and equal signs represent what is happening in the pictures. Talk about what it means to be equal.

Make some of your own addition equations. For example, if you have three crayons and four pencils write an equation to show how many objects you have: $3 + 4 = 7$. Explore whether $3 + 4$ and $4 + 3$ equal the same number. Does it matter which side of the equals sign the numbers are written on as long as both sides of the equation have the same value? Talk about why it is correct to write the pencil and crayon problem both of these ways: $7 = 3 + 4$ and $3 + 4 = 7$.

Compare the values of numbers. In this story, five different types of animals were driven to the merry-go-round. Put the number of each type of animal in order from least to greatest.

Extension Questions:

1. Find the pages of the story that show two trucks driving five tigers. Why does $3 + 2 = 5$ explain what is happening on these pages. What do the 2, 3, and 5 stand for?
2. What does it mean when something is equal? What is the purpose of the equal sign in the equation $2 + 3 = 5$?
3. If $2 + 3 = 5$, is it also true that $5 = 3 + 2$? Why do you think so? How could you prove you are correct?
4. What are some of the different ways that two trucks could be loaded with 10 horses?
5. Find the pages that show the trucks taking the pandas to the merry-go-round. Why does $9 + 0 = 9$ explain what is happening with the two trucks? What is different about the second truck? What do you think that truck is doing?



EARLY MATH PROJECT LITERATURE REVIEW

Vocabulary for Building Math Concepts	add, all, another, big, count, eight, finally, five, four, little, more, nine, one, seven, six, ten, three, two, zero
Vocabulary for Extending Math Concepts	addition, all together, equation, sum
Vocabulary for Reading Comprehension	chugs, load

Spanish Title:
Animales a bordo

Copyright: 2008

Related Books: *Quack and Count* by Keith Baker

Find this book at your local library: <https://www.worldcat.org/title/animals-on-board/oclc/36713096>

Early Math Project Resources:

[Merry-Go-Round Race Solitaire](#) (English)

[Merry-Go-Round Race Solitaire](#) (Spanish)

[Merry-Go-Round Race For More Than One Player](#) (English)

[Merry-Go-Round Race For More Than One Player](#) (Spanish)

[Merry-Go-Round Race Track and Spinner](#) (English)

[Merry-Go-Round Race Track and Spinner](#) (Spanish)

Online Resources:

13 interesting ways to teach your child addition and subtraction - <https://brightside.me/inspiration-family-and-kids/13-interesting-ways-to-teach-your-child-addition-and-subtraction-193955/>



Age Level	Related Preschool Foundations and CA State Standards
Preschool/ TK	Number Sense 1.0 Children begin to understand numbers and quantities in their everyday environment. 1.2 Recognize and know the name of some written numerals. 2.0 Children begin to understand number relationships and operations in their everyday environment. 2.2 Understand that adding to (or taking away) one or more objects from a group will increase (or decrease) the number of objects in the group. 2.3 Understand that putting two groups of objects together will make a bigger group. 2.4 Solve simple addition and subtraction problems nonverbally (and often verbally) with a very small number of objects.
Kindergarten	Operations and Algebraic Thinking K.OA.1 Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

