

Zoo Story Problems

2nd Grade Math Project · Animals & Nature

Grade 2 · Remedial

Name: _____ Date: _____ Class: _____

The Challenge

Welcome to the zoo! The zookeepers need help counting animals, food and visitors.

You will make: Story Problem Book

I can…

- I can solve one- and two-step word problems within 100.
- I can draw a bar model for a story.
- I can write an equation with a ? for the unknown.

Materials

- Pencil
- Bar-model strips
- Paper for the book

Steps

1. Part 1: Add To and Take From
2. Part 2: Put Together and Take Apart
3. Part 3: Compare
4. Part 4: Two Steps
5. Part 5: My Story Book
6. Check your work and share your story problem book.

Look for the yellow Hint boxes. They show a first step.

Part 1: Add To and Take From

Solve each story. Write an equation with ?.

1. There were 18 ducks in the pond. 12 more came. How many ducks now?

Hint: Add-to story.

2. The zoo had 30 maps. Visitors took 12. How many maps are left?

Hint: Take-from story.

3. Some seals were on a rock. 12 jumped off. 18 seals are still there. How many were there at first?

Hint: The start is unknown. Add the parts.

Part 2: Put Together and Take Apart

The zoo has 30 birds. 18 are parrots and the rest are owls.

4. How many owls are there?

Hint: Draw a bar for the whole and the parts.

Part 3: Compare

The penguins ate 30 fish. The seals ate 12 fewer fish than the penguins.

5. How many fish did the seals eat?

Hint: Fewer: the seals ate less, so subtract.

6. How many more fish did the penguins eat than the seals?

Hint: The difference is the extra part of the longer bar.

Part 4: Two Steps

A tram had 18 riders. 12 got on and 7 got off.

7. How many riders are on the tram now?

Hint: First add, then subtract.

Part 5: My Story Book

Write two zoo stories: one add-to and one compare. Draw a bar model for each.

8. Write, draw, and solve your stories.

Hint: Frame: “There were __ … Then … How many …?”

Extension Challenge

The zoo had 64 visitors before lunch and 29 after lunch. How many more came before lunch?

How your project will be scored

Learning target	4 Exceeds	3 Meets	2 Approaching	1 Beginning
I can solve one- and two-step word problems within 100.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can draw a bar model for a story.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can write an equation with a ? for the unknown.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can explain my thinking with pictures, numbers and words.	Clear for every part	Clear for most parts	Some explanation	Little explanation
My story problem book is complete and matches my math.	Complete, neat, accurate	Complete	Partly complete	Not complete