



THE DEADLY PIT



BOOK 2

USING T-CHARTS

WHEN SOLVING RATIO & PROPORTION PROBLEMS.

- ❑ Students use ratios to solve “real-world” problems involving Fractions!
 - ❑ **Warning** - My problems are more fun than real.
- ❑ **Includes** a Video **Tutorial** for **Each** Problem!



**NO
PREP!**

Upload
Into
Google
Classroom
And Go!



THE DEADLY PIT



HOW TO USE THIS BOOK

Teachers

- Upload this PDF into your Google Classroom.

Students

- Complete each problem.
- Correct your own work, while watching the video tutorials.
- After correcting your work, take your paper to your teacher for a final check.

You have fallen into a Deadly Pit!

Book 2

Challenge 1

Your only hope of escape is to solve this problem!

Your Deadly Pit contains polar bears and tarantulas. The pit contains $\frac{2}{9}$ times as many polar bears as tarantulas.

1. Write a ratio that represents the animals in your pit.
2. If there are 27 spiders, how many bears are in your pit?
3. If there are 77 creatures in all, how many bears and spiders are in your deadly pit?



Photo by Heather Crawford



Photo by Daniel Andres Forero

This is a
Watch Me Problem
Click Here to watch [€](#) then copy this problem!

You have fallen into a Deadly Pit!

Book 2

Challenge 2

Your only hope of escape is to solve this problem!

Your Deadly Pit contains gorillas and skunks. The pit contains $\frac{5}{7}$ times as many gorillas as skunks.

1. Write a ratio that represents the animals in your pit.
2. If there are 21 Skunks, how many gorillas are in your pit?
3. If there are 96 creatures in all, how many gorillas and skunks are in your deadly pit?



Photo by Chad Littlejohn



Photo by Torli Roberts

Click Here to
Work With ME
On this problem!

You have fallen into a Deadly Pit!

Book 2

Challenge 3

Your only hope of escape is to solve this problem!

Your Deadly Pit contains buffalo and wasps. The pit contains $\frac{3}{4}$ times as many buffalo as wasps.

1. Write a ratio that represents the animals in your pit.
2. If there are 16 wasps, how many buffalo are in your pit?
3. If there are 84 creatures in all, how many buffalo and wasps are in your deadly pit?



Photo by Jahall



Photo by Terry Crouch

This is an
On Your Own Problem
Complete the problem. Then [Click Here](#) to check your work!

You have fallen into a Deadly Pit!

Book 2

Challenge 4

Your only hope of escape is to solve this problem!

Your Deadly Pit contains komodo dragons and fire ants. The pit contains $\frac{3}{8}$ times as many komodo dragons as fire ants.

1. Write a ratio that represents the animals in your pit.
2. If there are 27 dragons, how many ants are in your pit?
3. If there are 121 creatures in all, how many dragons and ants are in your deadly pit?



Photo by Arley S.



Photo by Terri Heisele

This is an
On Your Own Problem
Complete the problem. Then [Click Here](#) to check your work!

You have fallen into a Deadly Pit!

Book 2

Challenge 5

Your only hope of escape is to solve this problem!

Your Deadly Pit contains wolves and poison spiders. The pit contains $\frac{2}{6}$ times as many wolves as spiders.

1. Write a ratio that represents the animals in your pit.
2. If there are 18 spiders, how many wolves are in your pit?
3. If there are 72 creature in all, how many wolves and spiders are in your deadly pit?



Photo by Christer C..



Photo by Mette Henriksen

This is an
On Your Own Problem
Complete the problem. Then Click Here to check your work!

The Deadly Pit

Book 2

Challenge 6

This is an
On Your Own Problem

Refreshment Time!

You have worked up a thirst, after battling over 140 creatures and escaping the deadly pit. Now, you are making some refreshing Kool-Aid. The directions say to mix 6 cups of water with $2\frac{1}{2}$ scoops of Kool-Aid mix.

1. Write a ratio that represents your mixture.
2. How many scoops of Kool-Aid mix are needed to make a 9 cup pitcher?
3. About what percentage of this drink is Kool-Aid mix? You may need to round off your answer and give an estimated percentage.

Complete the problem.
Then Click Here to check your work!

The Deadly Pit

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Challenge 7

This is an
On Your Own Problem

Kung fu Class!

You already know how to battle 34 animals at a time. Now, you take a Kung Fu class, and you can battle 59 animals at the same time.

1. Write an equation that represents the total number of animals that you can battle. Use the variable "n" to represent the new animals you learned to battle in Kung Fu class.
2. How many new animals did you learn to battle in Kung Fu class?

**Complete the problem.
Then Click Here to check your work!**

The Deadly Pit

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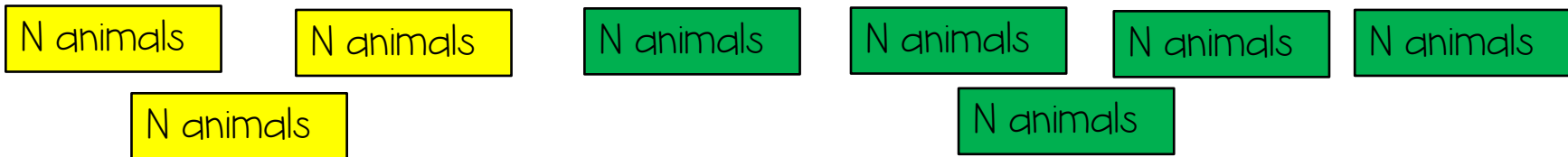
Challenge 8

This is an
On Your Own Problem

A Best Friend's help!

You and your best friend jump into the deadly pit and start battling 56 killer creatures. The ratio of creatures you battle is represented by yellow squares. The ratio of creatures your friend battles is represented by green squares.

- How many creatures are represented by each square?



Complete the problem.
Then Click Here to check your work!

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Challenge 9

This is an
On Your Own Problem

Racing Away!

You jump, scramble, and claw your way up and out of the deadly pit. Killer creatures are chasing after you, but you hop on a motorcycle and race away. You drive 63 miles in 45 minutes.

- How far will you travel after 60 minutes?

Complete the problem.
Then Click Here to check your work!

The Deadly Pit

Book 2

Challenge 10

This is an
On Your Own Problem

Battle Time!

You can battle 135 animals in 6 hours. However, you can only battle for 8 hours a day, before you must crawl out and rest until tomorrow. There are 1,080 animals in your deadly pit.

- How many days are needed for you to battle all the animals in your deadly pit?

Complete the problem.
Then Click Here to check your work!

The Deadly Pit

Book 2

Challenge II

This is an
On Your Own Problem

Percent of Creatures!

You jump into a deadly pit and begin battling killer creatures. 30% of the total number of creatures in your pit equals 94. You defeat 45% of the total creatures?

How many creatures have you defeated?

Complete the problem.
Then Click Here to check your work!

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