

Learning Proportions with The Deadly Pit

Book 2



TeachersDungeon.com



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Photo by Heather Crawford

Photo by Daniel Andres Forero

This is a
Watch Me Problem
Click Here to watch & then copy this problem!

FUN WORD PROBLEMS
DESIGNED SO THAT ANYONE CAN SUCCEED!

👁️📺 WATCH ME

The Deadly Pit - Challenge 1

- ✓ For this first problem, simply **watch** how the problem is solved. 🧠✨
- ✓ **Relax** 😊 and **focus** 🎯 on the strategies for solving the problem above.
- ✓ When the video is complete, **copy** 📄 the problem into your **notebook** 📖 or on a **piece of paper** 📄 for your parent or teacher.

🕒 You have fallen into a Deadly Pit! 🕒

Your only hope of escape is to solve this problem!

Your Deadly 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?

▶ **Play the video** by clicking on the photo of **The Deadly Pit!** 🕒





WORK WITH ME

The Deadly Pit - Challenge 2

▶ **Play the video** by 🖱️ **Clicking** on the photo of **The Deadly Pit!** 🕳️.

⏸️ **Pause the video** when told.

✍️ **Copy the problem** down on your own paper, and **solve it with me**.

👁️ **Pay close attention!** Your next challenge will be very **similar** to this one.

🕳️ **You have fallen into a Deadly Pit!** 🕳️

Your only hope of escape is to solve this problem!

Your Deadly 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?



◆ On Your Own Challenge! ◆

The Deadly Pit - Challenge 3

✔ Complete this problems first 🖋️ 📄

▶ Then, 👉 Click on the photo of **The Deadly Pit!** 🎥 to watch the video and check your answer! 🐾

🕒 **You have fallen into a Deadly Pit!** 🕒

Your only hope of escape is to solve this problem!

Your Deadly 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?



◆ On Your Own Challenge! ◆

The Deadly Pit - Challenge 4

✓ Complete this problems first 

▶ Then,  Click on the photo of The Deadly

Pit!  to watch the video and check your answer!  



 **You have fallen into a Deadly Pit!** 

Your only hope of escape is to solve this problem!


Your Deadly 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?

The Deadly Pit - Challenge 5

◆ On Your Own Challenge! ◆

✔ Complete this problems first 



▶ Then,  Click on the photo of The Deadly

Pit!  to watch the video and check your answer!  



 You have fallen into a Deadly Pit! 

Your only hope of escape is to solve this problem!



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

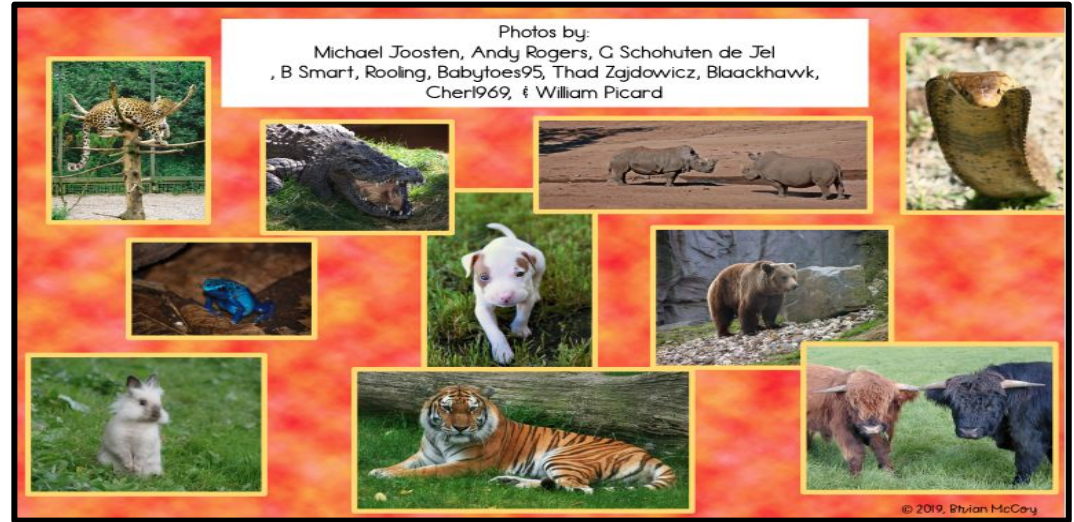
- 1 Write a ratio that represents the animals in your pit.
- 2 If there are 18 spiders, how many wolves are in your pit?
- 3 If there are 72 creatures in all, how many wolves and spiders are in your deadly pit?

◆ On Your Own Challenge! ◆

The Deadly Pit - Challenge 6

✔ Complete this problems first 


▶ Then, 👉 Click on the photo of to watch the video and check your answer!  



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 ½ 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.*)

The Deadly Pit - Challenge 7

◆ On Your Own Challenge! ◆

✔ Complete this problems first 🖋️ 📄

▶ Then, 👉 Click on the photo of to watch the video and check your answer! 🎥 🐾



🥋 **Kung Fu Class!** 🥋




You already know how to battle **34 animals** at a time. Now, after **Kung Fu training**, you can battle **59 animals** at the same time!

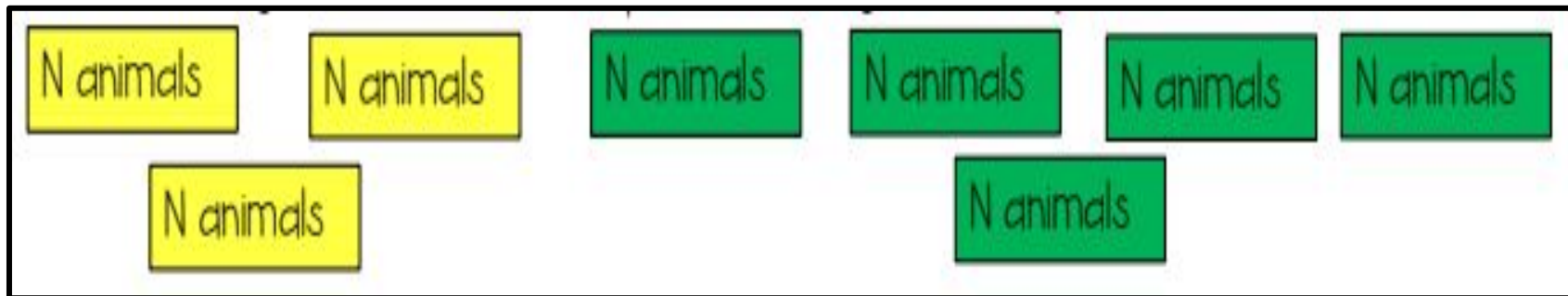
- 1 Write an equation that represents the total number of animals you can battle. Use the variable n to represent the new animals you learned to battle.
- 2 How many new animals did you learn to battle in **Kung Fu class**?

The Deadly Pit - Challenge 8

◆ On Your Own Challenge! ◆

✔ Complete this problems first 

▶ Then,  Click on the photo of to watch the video and check your answer!  



 **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?

The Deadly Pit - Challenge 9

◆ On Your Own Challenge! ◆

✓ Complete this problems first 🖋️ 📄

▶ Then, 👉 Click on the photo of to watch the video and check your answer! 🎥 🐾



🏍️ **Racing Away!** 🏍️

You jump, scramble, and claw your way **out of the deadly pit**. **Killer creatures** are chasing you!

🏍️ You hop on a **motorcycle** and race away at **63 miles in 45 minutes**.

? How far will you travel after 60 minutes?

◆ On Your Own Challenge! ◆

The Deadly Pit - Challenge 10

✔ Complete this problems first 🖋️ 📄

▶ Then, 👉 Click on the photo of to watch the video and check your answer! 🎥 🐾



⚔️ Battle Time! ⚔️

You can battle **135 animals** in **6 hours**. However, you can only battle for **8 hours** a day before you must **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?

◆ On Your Own Challenge! ◆

The Deadly Pit - Challenge 11


✔ Complete this problems first 


▶ Then,  Click on the photo of to watch the video and check your answer!  



 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?