

Learning Proportions with The Deadly Pit

Book 1



TeachersDungeon.com

Photo by Thad Zajdowicz

Photo by Blackhawk

THIS IS AN
ON YOUR OWN PROBLEM
COMPLETE THE PROBLEM. THEN CLICK HERE to
CHECK YOUR WORK!



TeachersDungeon.com

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 🐻 **grizzly bears** and 🐸 **poisonous frogs**. The pit contains **9 times** as many frogs as bears.

- 1 **Write an equation** that represents the total number of frogs in your pit. Let **b** represent bears and **f** represent frogs.
- 2 If there are **54 frogs**, how many **bears** are in your pit?
- 3 If there are **70 creatures** in all, how many **frogs** and **bears** 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 🐆 **leopards** and 🐊 **alligators**. The pit contains **4 times** as many **alligators** as leopards.

- 1 Write an equation that represents the total number of alligators in your pit. Let **l** represent leopards and **a** represent alligators.
- 2 If there are **20 alligators**, how many **leopards** are in your pit?
- 3 If there are **55 creatures** in all, how many **leopards** and **alligators** are in your deadly pit?

◆ 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! 🎥🐾

The Deadly Pit - Challenge 3



🕸 You have fallen into a Deadly Pit! 🕸

Your only hope of escape is to solve this problem!




Your Deadly Pit contains 🐰 **vampire bunnies** (like *Bunnacula*) and 🐶 **killer pups**. The pit contains **7 times** as many **killer pups** as **vampire bunnies**.

- 1 Write an equation that represents the total number of **puppies** in your pit. Let **b** represent bunnies and **p** represent puppies.
- 2 If there are **42 killer pups**, how many **vampire bunnies** are in your pit?
- 3 If there are **72 creatures** in all, how many **bunnies** and **puppies** 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  cobras and  rhinos. The pit contains **6 times** as many **snakes** as **rhinos**.

- 1 Write an equation that represents the total number of **rhinos** in your pit. Let **r** represent rhinos and **s** represent snakes.
- 2 If there are **36 snakes**, how many **rhinos** are in your pit?
- 3 If there are **49 creatures** in all, how many **rhinos** and **cobras** are in your deadly pit?

◆ On Your Own Challenge! ◆

The Deadly Pit - Challenge 5


✓ 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  **tigers** and  **bulls**. The pit contains **8 times** as many **tigers** as **bulls**.

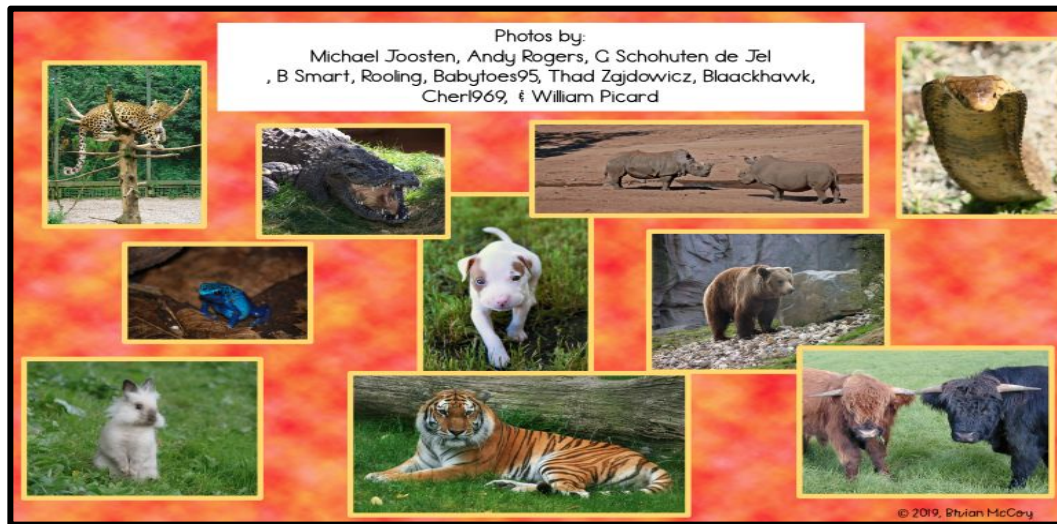
- 1 Write an equation that represents the total number of **tigers** in your pit. Let **t** represent tigers and **b** represent bulls.
- 2 If there are **56 tigers**, how many **bulls** are in your pit?
- 3 If there are **81 creatures** in all, how many **tigers** and **bulls** are in your deadly pit?

♦ On Your Own Challenge! ♦

✓ Complete this problems first 🖋️📄

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

The Deadly Pit - Challenge 6



Refreshment Time!



You have worked up a thirst after battling over **90 creatures** and escaping the deadly pit. Now, you are making some refreshing **Kool-Aid!** 🍹




The directions say to mix **4 cups of water** with **1 scoop** 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 **16-cup pitcher**?
- 3 What **percentage** of this drink is Kool-Aid mix?

◆ On Your Own Challenge! ◆

The Deadly Pit - Challenge 7

✓ 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 **12 animals** at a time. Now, after **Kung Fu training**, you can battle **34 animals** at the same time!

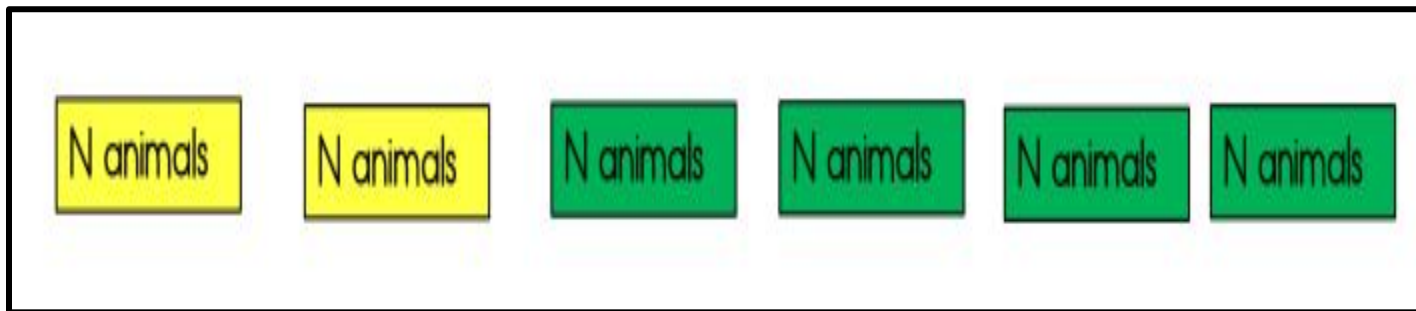
- 1 **Write an equation** that represents the total number of animals you can battle. Use the variable **n** to represent the new animals you learned to battle.
- 2 How many new animals did you learn to battle in **Kung Fu class**?

◆ On Your Own Challenge! ◆

The Deadly Pit - Challenge 8

✓ 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 **30 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?

♦ On Your Own Challenge! ♦

The Deadly Pit - Challenge 9

✓ 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 **37 miles in 15 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 **30 animals** in **4 hours**. However, you can only battle for **8 hours** a day before you must **rest** until tomorrow.




There are **420 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**.

 **35%** of the total number of creatures in your pit equals **18**.

 You defeat **70%** of the total creatures.

 **How many creatures have you defeated?**