Fractions
Book 10

MULTIPLYING FRACTIONS

2/3 × 1/4

FUN WORD PROBLEMS
DESIGNED SO THAT ANYONE CAN SUCCEED!

How to Use This Interactive Math Books

A Step-by-Step Learning Process that Works

The TeachersDungeon interactive math books are designed with a proven instructional approach that gradually builds understanding. This scaffolded method ensures that your children gain confidence and mastery over each concept before moving on. Each lesson in these books follows a structured progression:

1. Watch Me 🎥

The first problem in each booklet is a "Watch Me" example. Here, students observe a step-by-step solution while listening to an explanation. This allows them to see the problem-solving process in action, providing a strong foundation for understanding.

2. Work With Me ✏️

The second problem is a "Work With Me" activity. In this phase, students actively engage by watching a portion of the tutorial video, pausing to copy, and replicating the strategy demonstrated. This hands-on approach reinforces learning while providing guided practice.

3. On Your Own 🚀

The remaining problems are "On Your Own" challenges. By this stage, students are equipped with the strategies they need to solve problems independently. They apply what they've learned, solidifying their skills while gaining confidence in their ability to tackle new math concepts.

> **Tip**: If a child needs extra support, they can transform "On Your Own" problems into "Work With Me" problems by using the Play-Pause-Copy method to work through each step at their own pace.

Fractions
Challenge 1

🐢 Ferlon the High-Fiving Tortoise

Ferlon may be slow, but he is the friendliest critter this side of the Mississippi River! He **walked 5/7 kilometers** today while high-fiving his friends. ✋

❓ **If he spends 3/8 of his walking time high-fiving, what portion of the kilometers does Ferlon spend being friendly?**

▶️ **Play the video** by clicking on the photo of 🐢 **Ferlon.**

👀📺 **WATCH ME**

✅ 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.

Photo by Gerla Brakkee

🦧 Pinky Tuskadaro, the Calculating Orangutan

Meet Pinky Tuskadaro—he's a **mathematical genius**! 🤓 Using his fingers and toes, he spends **6/7 of his waking hours** calculating math facts.

❓ **If Pinky is awake for 3/5 of the day, how much of the day does he spend calculating?**

📝💡 **WORK WITH ME**
▶️ **Play the video** by clicking on the photo of 🦧 **Pinky.**
⏸️ **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.

Photo by Cliff Howard

Fractions
Challenge 3

🦒 **Wrong Way John, the Wandering Giraffe**

Wrong Way John always gets lost! Last week, he traveled **3/4 miles** but kept turning the wrong way.

❓ **If he gets lost 3/8 of the time, how much of his journey was spent lost?**

🔹 **On Your Own Challenge!** 🔹

✅ **Complete this problems first** ✏️ 📄
▶️ Then, 👆 **Click on** 🦒 **Wrong Way John's photo to watch the video and check your answer!** 🎥 🐾

Photo by Nino Satria

🐊 Stone Cold Kelly, the Staring Champion

Stone Cold Kelly just won the **Annual Amazon Stare Down Contest** by keeping her eyes wide open! 👀 She trains **5/6 of her waking hours** to perfect her stare.

❓ **If she only blinks 1/6 of her training time, how much of her waking hours is spent blinking?**

🔹 **On Your Own Challenge!** 🔹

✅ **Complete this problems first** ✏️ 📄
▶️ Then, 👆 **Click on** 🐊 **Stone Cold Kelly's photo to watch the video and check your answer!** 🎥 🐾

Photo by Marcelo Gerpe
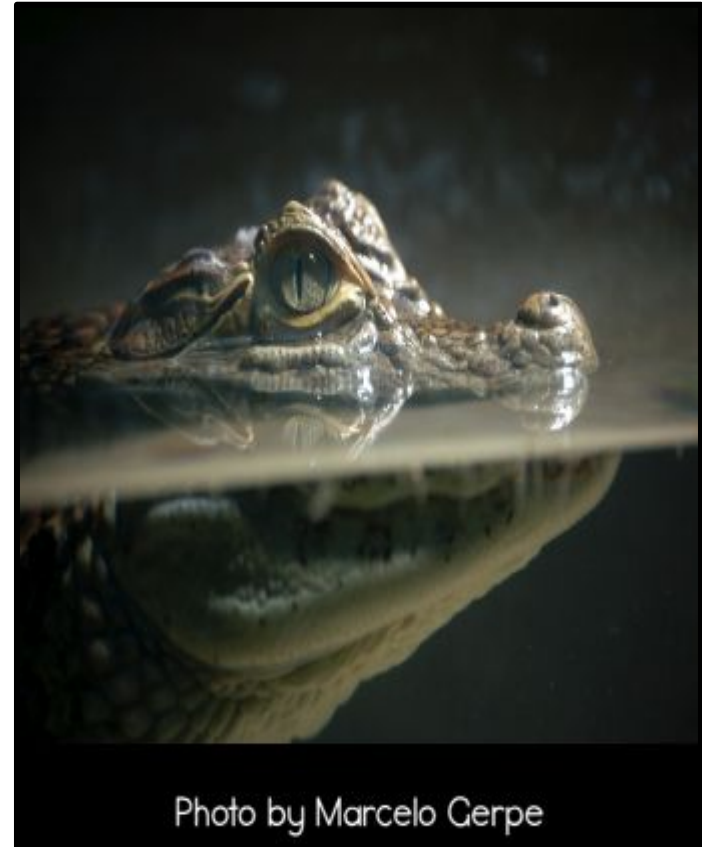
🦤 Pelican Pete's Golf Game

Pelican Pete plays golf **his own way**! 🏌️ He swoops in, steals golf balls, and drops them near the hole. He steals a ball **from 2/5 of the golfers he sees** and makes a hole-in-one **3/5 of the time**.

❓ **What portion of his game-play results in a hole-in-one?**

◆ **On Your Own Challenge!** ◆

✅ **Complete this problems first** ✏️ 📄
▶️ Then, 👆 **Click on the** 🦤 **Pelican Pete's photo to watch the video and check your answer!** 🎥 🐾

Photo by Doddy Wirawan
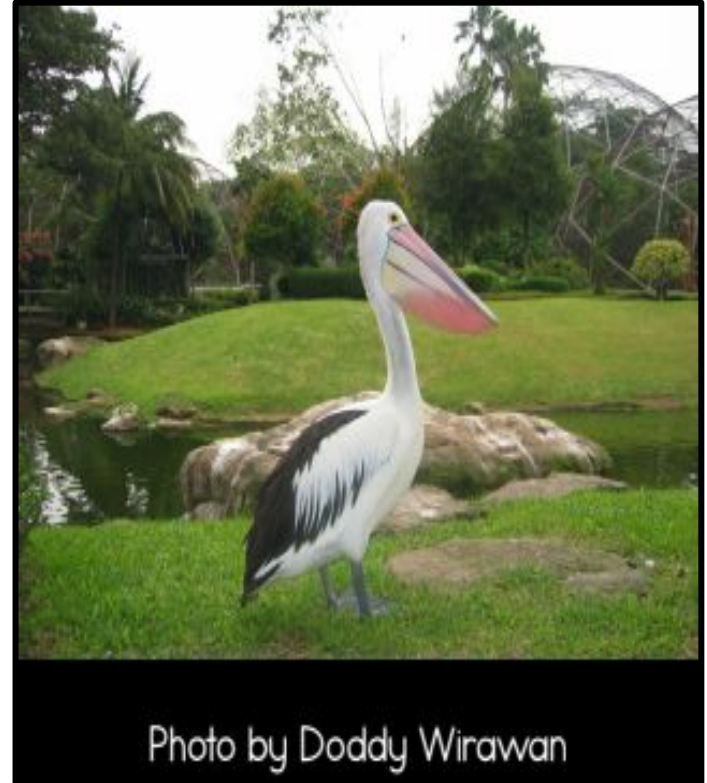
🐸 Croaking Craig's Love Song

Croaking Craig is heartbroken 💔. Every morning, he **floats in the pond for 4/7 of the day**, singing to his lost love, Frieda Frog. 🎶

❓ **If he sings for 3/5 of his floating time, how much of the day does Craig spend croaking?**

🔹 **On Your Own Challenge!** 🔹

✅ **Complete this problems first** ✏️📄
▶️ Then, 👇 **Click on** 🐸 **Croaking Craig's photo to watch the video and check your answer!** 🎥🐾

Photo by Peter Szustka

Photo by G Schouten de Jel

🐆 Lounging Leonardo, the Sleeping Leopard

Leonardo can sleep **anywhere**—on his brother, under a thorn bush, or in a tree! 😪 He sleeps **3/4 of the day**.

❓ **If he sleeps in a tree's crook 2/3 of the time, what portion of the day does Leonardo sleep in the tree?**

🔹 **On Your Own Challenge!** 🔹

✅ **Complete this problems first** ✏️ 📄
▶️ **Then,** 👆 **Click on** 🐆 **Lounging Leonardo's photo to watch the video and check your answer!** 🎥🐾

🦝 Renly Raccoon, the Lunch Thief

Renly Raccoon is a **sneaky lunch thief**! 🏃 He distracts park visitors while his family plays nearby. **5/7 of the people bring lunch**, and Renly steals from **3/7 of them**.

❓ **What portion of park visitors lose their lunch to Renly?**

◆ **On Your Own Challenge!** ◆

✅ **Complete this problems first** ✏️ 📄
▶️ Then, 👆 **Click on** 🦝 **Renly Raccoon's photo to watch the video and check your answer!** 🎥 🐾

Photo by Justine FG

Photo by Sandra Cunningham
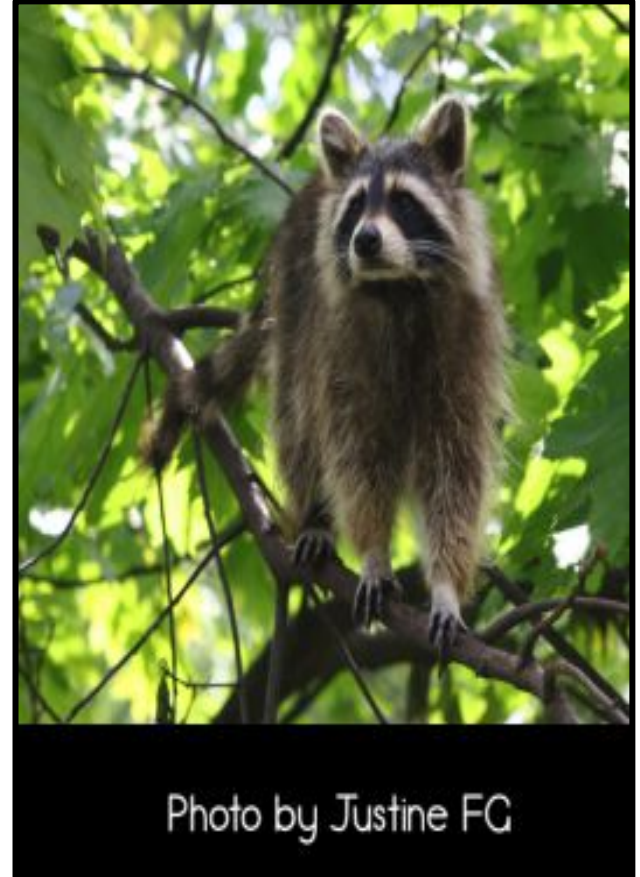
🕷️ **Silvia the Hard-Working Spider**

Silvia is busy building her web 🕸️ to feed her **hundreds of babies**! Her completed web will be **3/7 of a meter wide**, but she has built **only 1/2 of it** so far.

❓ **How wide is her web right now?**

🔹 **On Your Own Challenge!** 🔹

✅ **Complete this problems first** ✏️ 📄
▶️ Then, 👆 **Click on** 🕷️ **Silvia's photo to watch the video and check your answer!** 🎥 🐾

⭐ Sandy Starfish's Human Impression

Sandy Starfish **wants to be human**! 🧍 Every morning, she poses at the aquarium glass, tricking visitors into thinking she's walking. **5/6 of the visitors notice her**, and **3/7 of them** say she looks human.

❓ **What portion of visitors say Sandy looks like a human?**

🔹 **On Your Own Challenge!** 🔹

✅ **Complete this problems first** ✏️ 📄
▶️ Then, 👆 **Click on** ⭐ **Sandy Starfish's photo to watch the video and check your answer!** 🎥 🐾

Photo by Chris van ES

📚 DRILL & KILL 🧠✨

HERE IS WHERE WE **DRILL** UNTIL WE **KILL**

<u>ALL OUR MISTAKES!</u>

🧠 The following problems can all be solved using the same **strategies** we used in the first ten problems!

✨

✅ **Solve all four problems on each page.**

✅ **Watch the video & correct your work.** 🎥📖

✅ **Review your work with your teacher.** 👩‍🏫

✅ **If you get all 4 correct, your parent or teacher might tell you that you're ready to move to the next book in this series!** 🎯📕

📚 Drill & Kill! 🧠✨

Challenge 11

PROBLEM 1	**PROBLEM 2**
2/3 x 5/8?	3/4 x 2/7?
PROBLEM 3	**PROBLEM 4**
4/5 x 3/6?	5/6 x 4/9?

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◆ **On Your Own Challenge!** ◆

✅ **Complete these problems first** ✏️📄
▶️ Then, **Click on the TeachersDungeon Logo** to watch the video and check your answer! 🎥🐾

📚 Drill & Kill! 🧠 ✨

Challenge 12

PROBLEM 1	PROBLEM 2
5/8 x 1/3?	5/7 x 2/4?
PROBLEM 3	**PROBLEM 4**
5/6 x 2/5?	7/9 x 4/6?

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🔹 **On Your Own Challenge!** 🔹

✅ **Complete these problems first** ✏️ 📄
▶️ Then, **Click on the TeachersDungeon Logo** to watch the video and check your answer! 🎥🐾

📚 Drill & Kill! 🧠✨

Challenge 13

PROBLEM 1	PROBLEM 2
3/5 x 3/5?	3/4 x 5/7?

PROBLEM 3	PROBLEM 4
5/6 x 3/7?	1/3 x 3/4?

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🔹 **On Your Own Challenge!** 🔹

✅ **Complete these problems first** ✏️📄
▶️ Then, **Click on the TeachersDungeon Logo** to watch the video and check your answer! 🎥🐾

📚 Drill & Kill! 🧠 ✨

Challenge 14

PROBLEM 1	PROBLEM 2
3/8 x 1/4?	4/9 x 1/5?
PROBLEM 3	**PROBLEM 4**
3/7 x 1/8?	4/5 x 1/2?

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🔹 **On Your Own Challenge!** 🔹

✅ **Complete these problems first** ✏️ 📄
▶️ Then, **Click on the TeachersDungeon Logo** to watch the video and check your answer! 🎥 🐾