

Fractions

Book 11



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**DIVIDING
FRACTION**

$$\frac{1}{2} \div \frac{1}{4}$$

**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.


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Challenge 1

Terrance the Ticklish Mule







Terrance loves his alfalfa, but his owner keeps tickling his nose! Each day, Terrance eats $\frac{2}{3}$ pounds of alfalfa. His owner divides the alfalfa into portions that are $\frac{2}{7}$ pounds.

? **How many portions will Terrance get to eat?**

 *Hint: How many $\frac{2}{7}$'s are in $\frac{2}{3}$?*

 **Play the video** by clicking on the photo of  **Terrance the Ticklish Mule.**

 **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.




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Challenge 2



Kami & Connie – The Singing Camels

Kami & Connie Camel love to sing as they walk around their paddock, which is $\frac{8}{9}$ miles long.


? If they break the paddock into portions that are $\frac{3}{4}$ miles, how many portions will they walk and sing?


 *Hint: How many $\frac{3}{4}$'s are in $\frac{8}{9}$?*

WORK WITH ME

 **Play the video** by clicking on the photo of  **Kami & Connie.**

 **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.




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Challenge 3

Honovi the Honey Thief

Honovi the bear is always on the lookout for bees! Yesterday, she stole $\frac{4}{5}$ **pounds** of honey while getting stung repeatedly. She wants to divide her stolen honey into portions of $\frac{1}{8}$ **pounds**.

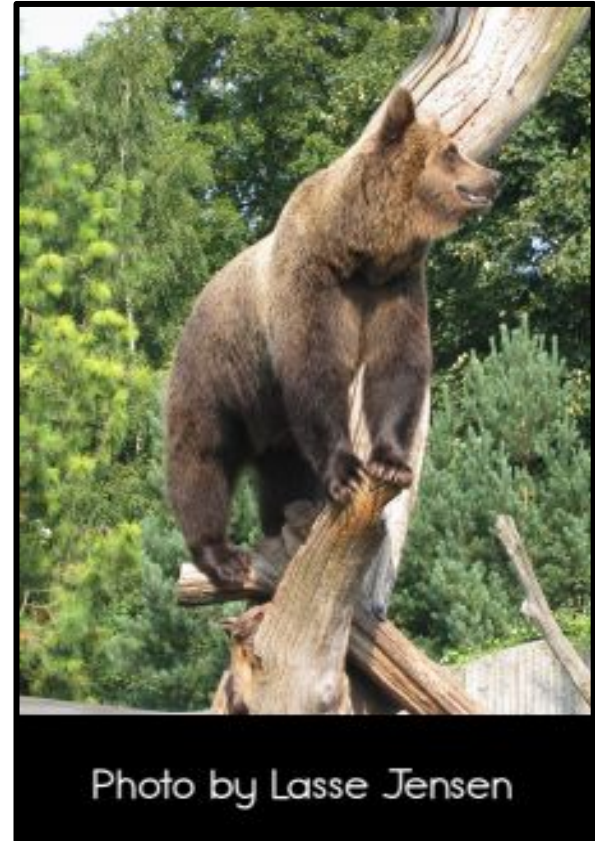
? How many portions can she make?

 *Hint: How many $\frac{1}{8}$'s are in $\frac{4}{5}$?*

◆ **On Your Own Challenge!** ◆

 **Complete this problems first**  

 Then,  Click on  Honovi's photo to watch the video and check your answer!  



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Challenge 4

Shelby & Sherwood – The Hungry Seahorses

Shelby & Sherwood love nothing more than a big mouthful of plankton! Their marine biologist has a $\frac{2}{5}$ bucket of plankton. Each serving is $\frac{3}{8}$ of the bucket.

? How many servings are in the bucket?

◆ On Your Own Challenge! ◆

✓ Complete this problems first  

▶ Then,  Click on   Shelby & Sherwood's photo to watch the video and check your answer!  



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Challenge 5



Elyssa Elephant's Big Gulp

Elyssa Elephant is thirsty! Each bucket of water she receives holds $\frac{5}{6}$ gallons. Her trunk holds $\frac{2}{7}$ of a gallon per sip.

? How many trunkfuls of water will Elyssa drink?

◆ On Your Own Challenge! ◆

✓ Complete this problems first  

▶ Then,  Click on the  Elyssa's photo to watch the video and check your answer!  



Photo by Eva Schuster

Fractions Challenge 6



Daisy the Ditzzy Giraffe

Daisy forgets everything! She was supposed to gather four piles of food but only made one, which is $\frac{5}{7}$ of a square yard. Each giraffe in her family eats $\frac{2}{5}$ of a square yard.

? Does Daisy have enough food for all four giraffes? How many servings does she have?

◆ On Your Own Challenge! ◆

✓ Complete this problems first  

▶ Then,  Click on  Daisy's photo to watch the video and check your answer!  

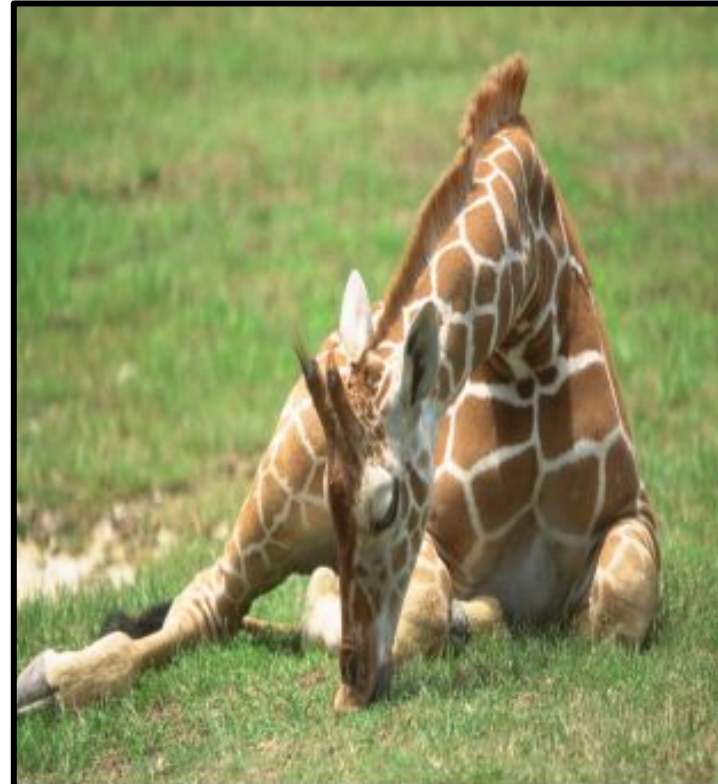


Photo by Anthony Thomas

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Challenge 7

Hide & Seek Zeek – The Bamboo Biter

Zeek refuses to leave his hiding spot, even when he's hungry! His meal consists of **$\frac{3}{8}$ pounds** of bamboo leaves, but he will only take bites that are **$\frac{3}{9}$ pounds** each.

? How many bites does Zeek need to finish his meal?

◆ **On Your Own Challenge!** ◆

✓ **Complete this problems first**  

▶ Then,  **Click on  Hide & Seek Zeek's photo to watch the video and check your answer!**  



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Challenge 8

Simon, Stanley & Otto – The Stealthy Sea Otters

These sneaky sea otters just stole a bucket of fish that is $\frac{2}{3}$ full. Each of them wants to eat $\frac{4}{7}$ of a full bucket.

? Do the Stealthy Sea Otters have enough? How many servings do they actually have?

◆ On Your Own Challenge! ◆

✓ Complete this problems first  





▶ Then,  Click on  The Stealthy Sea Otters' photo to watch the video and check your answer!  



Photo by Jenny Rollo

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Challenge 9

Madeline Marmot – The Stylish Hostess

Madeline wants to impress her dinner guests with **grass place mats**! She has $\frac{5}{6}$ yards of grass, and each mat takes $\frac{2}{7}$ yards to make.

? Does she have enough grass? How many place mats can she make?

◆ **On Your Own Challenge!** ◆

✓ **Complete this problems first**  

▶ Then,  **Click on**  **Madeline Marmot's photo to watch the video and check your answer!**  



Photo by Brad Mering

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Challenge 10

Randy & Candy – The Playful Ponies

Randy & Candy love frolicking in the pasture, but when Montana Mike brings $\frac{3}{4}$ of a **bucket** of oats, they race to their stalls! Each serving is $\frac{2}{6}$ of a **bucket**.

? Does Montana Mike have enough oats? How many servings does he have in total?

◆ On Your Own Challenge! ◆

✓ Complete this problems first  

▶ Then,  Click on  Randy & Candy's photo to watch the video and check your answer!  



Photo by
Rodolfo Belloli



DRILL & KILL



HERE IS WHERE WE **DRILL** UNTIL WE **KILL**
ALL OUR MISTAKES!



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

<u>PROBLEM 1</u> $2/3 \div 5/8?$	<u>PROBLEM 2</u> $3/4 \div 2/7?$
<u>PROBLEM 3</u> $4/5 \div 3/6?$	<u>PROBLEM 4</u> $5/6 \div 4/9?$



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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

<u>PROBLEM 1</u> $5/8 \div 1/3?$	<u>PROBLEM 2</u> $5/7 \div 2/4?$
<u>PROBLEM 3</u> $5/6 \div 2/5?$	<u>PROBLEM 4</u> $7/9 \div 4/6?$



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◆ On Your Own Challenge! ◆

✓ Complete these problems first  

▶ Then, Click on the [TeachersDungeon Logo](https://www.teachersdungeon.com) to watch the video and check your answer!  





Drill & Kill!



Challenge 13

<u>PROBLEM 1</u> $3/5 \div 1/2?$	<u>PROBLEM 2</u> $3/4 \div 5/6?$
<u>PROBLEM 3</u> $5/6 \div 5/6?$	<u>PROBLEM 4</u> $1/3 \div 2/3?$



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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

<u>PROBLEM 1</u> $3/8 \div 1/4?$	<u>PROBLEM 2</u> $5/9 \div 1/2?$
<u>PROBLEM 3</u> $3/7 \div 5/6?$	<u>PROBLEM 4</u> $5/6 \div 1/4?$



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◆ On Your Own Challenge! ◆

✓ Complete these problems first

▶ Then, Click on the [TeachersDungeon Logo](https://www.teachersdungeon.com) to watch the video and check your answer!

