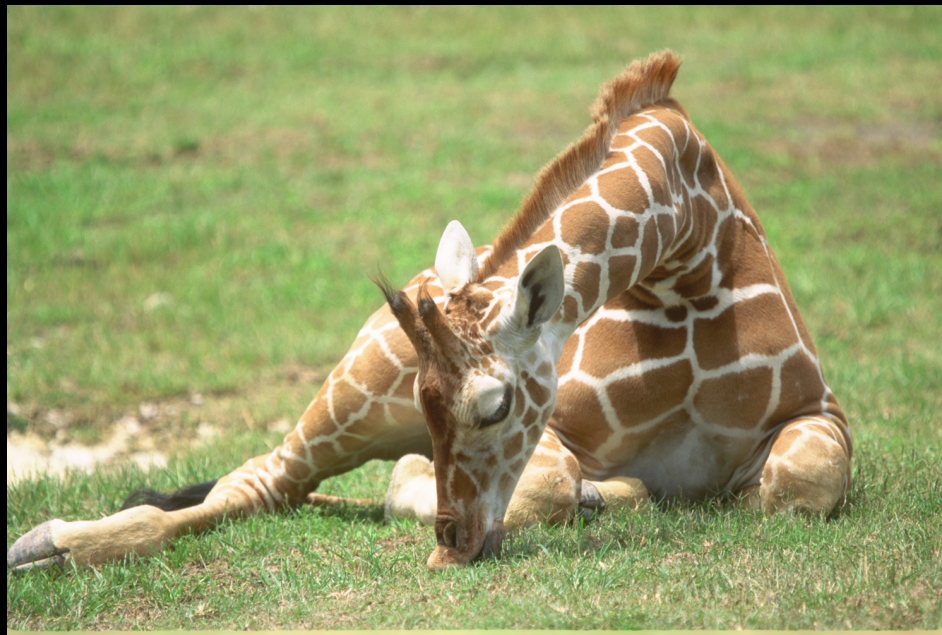




ILLUSTRATING FRACTIONS

Book II

COMMON
CORE
ALIGNED



**DIVIDING
FRACTION**

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

**NO
PREP!**
Load Into
Google
Classroom
€
Go!



ILLUSTRATING FRACTIONS



HOW TO USE THIS BOOK

Teachers

- Upload this PDF into your Google Classroom and use individually or in centers.

Students

- Complete each problem, then correct your own work while watching the video tutorials.
- After each problem, take your paper to your teacher for a final review.

TERRANCE the TICKLISH MULE

BOOK II

CHALLENGE - I

Terrance loves his alfalfa, but his owner keeps tickling his nose. His owner loves Terrance, but he can't help tickling his favorite mule. 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 $\frac{2}{3}$?

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 teacher.



Photo by
Julia Freeman-Woolpert

[Click Here to view this video](#)

SINGING CAMELS

BOOK II

CHALLENGE - 2

Kami & Connie Camel love to sing. They walk around their paddock and sing to all the on lookers. Kami & Connie's paddock is $\frac{8}{9}$ miles long.

If Kami & Connie break the paddock into portions that are $\frac{3}{4}$ miles, how many portions will our "SINGING CAMELS" walk and sing?

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

WORK WITH ME

Gather the following materials:

A blank piece of paper

A pencil

PLAY THE VIDEO BY CLICKING ON THE PHOTO.

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 chevalgal

HONOVI THE HONEY LOV'N GRIZZLEY BEAR

BOOK II

CHALLENGE – 3

Honovi is always on the lookout for bees. She follows them back to the hive and collects as much honey as possible. Yesterday, Hovoni found a hive. While the bees crawled under her fur and stung again and again, Honovi stole $\frac{4}{5}$ pounds of honey. If Hovoni divides the honey into portions that are each $\frac{1}{8}$ pound, how many portions can she make?

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

On Your Own

- Solve this problem just as you did in the earlier one.
- Once you have completed this challenge, click on the photo.
- Keep your paper with you while you watch the video.
- If you made a mistake, pause the video and fix your mistake.

That's the fastest way to learn!



Photo by Lasse Jensen

SHELBY & SHERMAN SEAHORSE

BOOK II

CHALLENGE – 4

Shelby & Sherman are a couple of hungry seahorses. They love nothing more than a big old mouthful of plankton. The marine biologist that feeds them has a $\frac{2}{5}$ bucket of plankton.

A serving of the plankton is $\frac{3}{8}$ of the bucket.

How many servings are in the bucket?

On Your Own

- Solve this problem just as you did in the earlier one.
- Once you have completed this challenge, click on the photo.
- Keep your paper with you while you watch the video.
- If you made a mistake, pause the video and fix your mistake.

That's the fastest way to learn!



Photo by Rick Hawkins

ELYSSA THE THIRSTY ELEPHANT

BOOK II

CHALLENGE - 5

Elyssa Elephant is thirsty. There is very little water on the African Plains at this time of the year. Luckily for Elyssa and her herd, a local farmer gives a bucket of cool water to each elephant in Elyssa's family. Each bucket holds $\frac{5}{6}$ gallons of water.

If Elyssa's trunk holds $\frac{2}{7}$ of a gallon, how many trunkfuls of water will Elyssa get to drink?

On Your Own

- Solve this problem just as you did in the earlier one.
- Once you have completed this challenge, click on the photo.
- Keep your paper with you while you watch the video.
- If you made a mistake, pause the video and fix your mistake.

That's the fastest way to learn!



Photo by Eva Schuster

Daisy the DITZY GIRAFFE

BOOK II

CHALLENGE - 6

Daisy is a bit scatterbrained. She forgets everything. Just last night, her mother asked her to gather four piles of grass, leaves, and twigs for her family to eat. Daisy got distracted and only made one pile for all her family to share. The pile is $\frac{5}{7}$ of a square yard. Each giraffe eats $\frac{2}{5}$ of a square yard.

Does Daisy the Ditzzy Giraffe have enough for all four members of her family?

How many servings does Daisy have?

On Your Own

- Solve this problem just as you did in the earlier one.
- Once you have completed this challenge, click on the photo.
- Keep your paper with you while you watch the video.
- If you made a mistake, pause the video and fix your mistake.

That's the fastest way to learn!

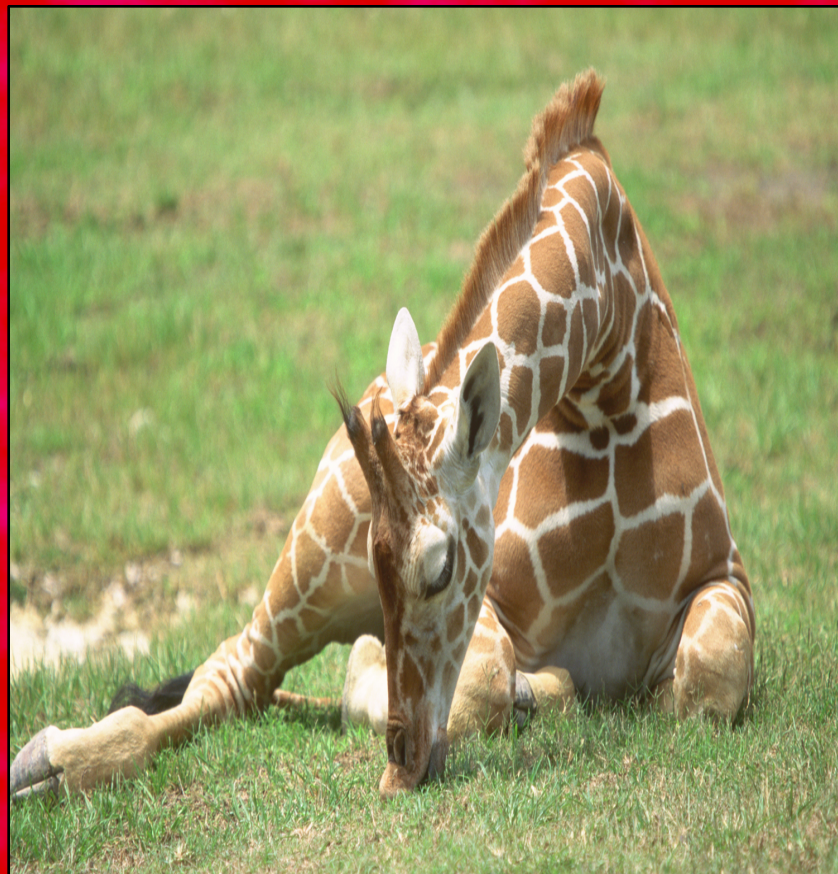


Photo by Anthony Thomas

Hide and Go Seek Zeek

Book II

Challenge – 7

Hide and Go Seek Zeek does not like leaving his perfect hiding spot. He refuses to come out once he is hidden. Today, we find Zeek hiding in a hollow stump. However, he is hungry, so his mother must bring him his food. Zeek eats $\frac{3}{8}$ pound of bamboo leaves at each meal. However, he will only take bites that are $\frac{3}{9}$ of a pound, while he is hiding.

How many $\frac{3}{9}$ bites must Hide and Go Seek Zeek take in order to complete his meal?

On Your Own

- Solve this problem just as you did in the earlier one.
- Once you have completed this challenge, click on the photo.
- Keep your paper with you while you watch the video.
- If you made a mistake, pause the video and fix your mistake.

That's the fastest way to learn!



Photo by Kevin Lafferty

STEALTHY SEA OTTERS

BOOK II

CHALLENGE – 8

Simon, Stanley, and Otto are Stealthy Sea Otters. They hang out on the dock and wait for unsuspecting fisherman to return with their haul. Then they sneak in and steal a bucket of fish. Today they are laughing at a fisherman they just stole from. They took a bucket that was $\frac{2}{3}$ full of fish. Simon, Stanley, and Otto each hope to eat $\frac{4}{7}$ of a full bucket.

Do the **STEALTHY SEA OTTERS** have enough?

How many servings do they have?

On Your Own

- Solve this problem just as you did in the earlier one.
- Once you have completed this challenge, click on the photo.
- Keep your paper with you while you watch the video.
- If you made a mistake, pause the video and fix your mistake.

That's the fastest way to learn!



Photo by Jenny Rollo

MADÉLINE MARMOT

BOOK II

CHALLENGE - 9

MADÉLINE MARMOT is all about appearance. She has company coming over for dinner, so she has decided to make new place mats for her dining room table. There will be a total of four marmots coming to tonight's meal. Madeline has $\frac{5}{6}$ yards of grass. Each place mat uses $\frac{2}{7}$ yards.

Does she have enough grass?

Exactly how many place mats can she make?

On Your Own

- Solve this problem just as you did in the earlier one.
- Once you have completed this challenge, click on the photo.
- Keep your paper with you while you watch the video.
- If you made a mistake, pause the video and fix your mistake.

That's the fastest way to learn!

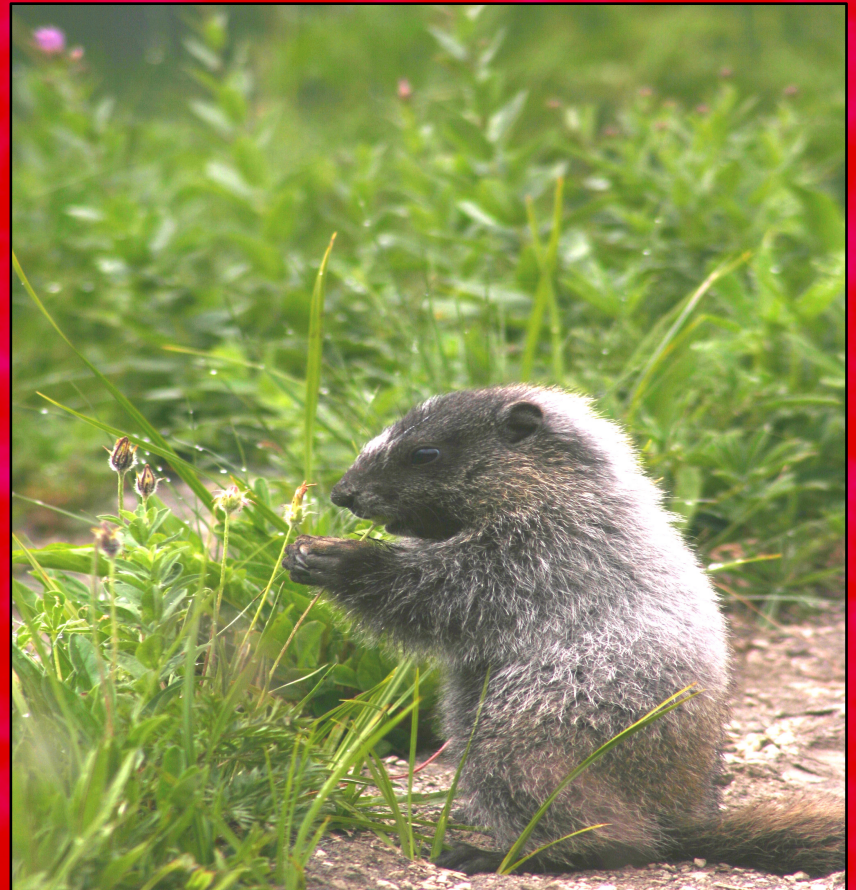


Photo by Brad Mering

RANDY & CANDY

BOOK II

CHALLENGE - 10

RANDY & CANDY love frolicking in the pasture. They kick, buck, prance, and dance as they run round and round. When Montana Mike walks to the barn with a bucket of food, both horses race for their stalls.

Montana Mike's buck is $\frac{3}{4}$ full of oats.

Each horse's serving is $\frac{2}{6}$ of a bucket.

Does Montana Mike have enough oats?

How many servings does Montana Mike have in all?

On Your Own

- Solve this problem just as you did in the earlier one.
- Once you have completed this challenge, click on the photo.
- Keep your paper with you while you watch the video.
- If you made a mistake, pause the video and fix your mistake.

That's the fastest way to learn!



Photo by
Rodolfo Belloli

Drill & Kill

In this chapter we will work with fractions over and over again.

I call this chapter, Drill & Kill, because we will drill this concept until we are perfect, and we kill any mistakes!

- The following problems can all be solved with the same strategies we used to solve 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 problems correct, your teacher may tell you that you're ready to move to the next book within this series.
 - Good Luck!

DRILL & KILL
BOOK II **CHALLENGE - II**

PROBLEM 1

$$2/3 \div 5/8?$$

PROBLEM 2

$$3/4 \div 2/7?$$

PROBLEM 3

$$4/5 \div 3/6?$$

PROBLEM 4

$$5/6 \div 4/9?$$

CLICK HERE
to
WATCH THE VIDEO

DRILL & KILL
BOOK II **CHALLENGE - 12**

PROBLEM 1

$$5/8 \div 1/3?$$

PROBLEM 2

$$5/7 \div 2/4?$$

PROBLEM 3

$$5/6 \div 2/5?$$

PROBLEM 4

$$7/9 \div 4/6?$$

CLICK HERE
to
WATCH THE VIDEO

DRILL & KILL
BOOK II **CHALLENGE - 13**

PROBLEM 1

$$3/5 \div 1/2?$$

PROBLEM 2

$$3/4 \div 5/6?$$

PROBLEM 3

$$5/6 \div 5/6?$$

PROBLEM 4

$$1/3 \div 2/3?$$

CLICK HERE
to
WATCH THE VIDEO

DRILL & KILL
BOOK II **CHALLENGE - 14**

PROBLEM 1

$$3/8 \div 1/4?$$

PROBLEM 2

$$5/9 \div 1/2?$$

PROBLEM 3

$$3/7 \div 5/6?$$

PROBLEM 4

$$5/6 \div 1/4?$$

CLICK HERE
to
WATCH THE VIDEO

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