Illustrating Fractions

Book 5

Subtracting Uncommon Denominators

2/3 - 1/4

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.

Geraldine the Day Dreaming Giraffe
Book 5   Challenge - 1

Geraldine the Giraffe is a day dreamer. She day dreams most of the day away, while other giraffes are busy stretching their necks to the high branches for food. Geraldine walks around day dreaming about her boyfriend Gary. By the end of the day, she will be very hungry and will have to scramble to get enough food.

There is only 2/3 of the day remaining. If Geraldine day dreams for another 1/4 of a day, how much of the day will be left for her to eat?

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.

Geraldine the Day Dreaming Giraffe

Click Here to view this video

Larry The Llama

Book 5

Challenge - 2

Larry the Llama may look like a relaxed fella, but he is actually a top ranked runner in the llama community. He races around his yard faster than any other llama in his herd. Today is the annual llama race. The course is 5/6 of a mile long. Larry races as fast as he can for 3/4 of a mile. How much further does Larry have to run and stay ahead of the herd in order to win the race?

Larry the Llama

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.

Banana Gobbling Gorilla

Book 5   Challenge – 3

You are on safari in Africa. As the jeep drives past a group of gorillas, you notice that one of them is gobbling a bunch of bananas. He rips one from the stalk, but part of the banana stays on the stalk and part is in the gorilla's hand. The gorilla is holding 6/7 of the banana in his hand. He bends his head forward and gobbles 2/3 of the banana.

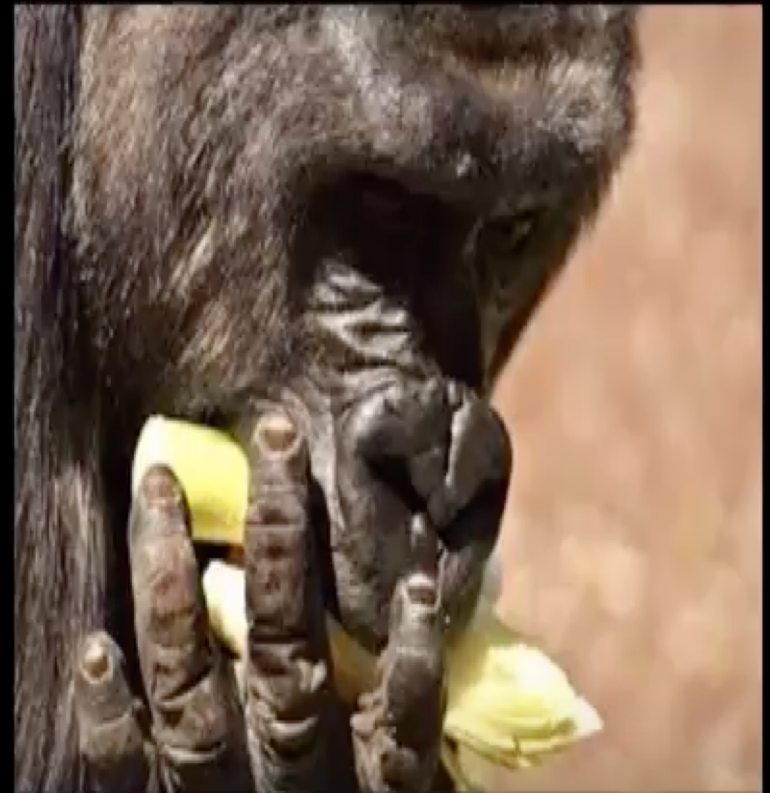How much of the banana does this **Gobbling Gorilla** have left to eat?

Banana Gobbling Gorilla

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!

Doggie Shoe Thief

Book 5

Challenge – 4

Your parents just bought you a puppy. He is tiny, fluffy, and adorable. Unfortunately, he is also a thief. Yes – your brand new puppy **steals shoes**. He rips them off of people's feet as they walk past.

The lady in the photo above has shoes that slip partway off her feet each time she takes a step. She walks past your pup and her shoe slips a little. Now only 5/6 of her foot is covered by her shoe. Your puppy launched himself toward her shoe. He gripped it and pulls the shoe another 2/3 of the way off.

How much of the shoe is left on the lady's foot?

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.

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Doggie Shoe Theif

$$\frac{5}{6} - \frac{2}{3} = ?$$

Skateboard Sam

Book 5   Challenge - 5

Skateboard Sam is on a quest. He wants to the the first 6-year old to ride his skateboard the entire length of Gopher Road. Gopher Road got its name, because there are thousands of gophers on both sides to the road. Skateboard Sam loves riding his skateboard, while the gophers stand on their hind legs and watch him roll past. Gopher Road is 4/5 of a mile long. Skateboard Sam has rolled for 3/4 of a mile. How much further must Skateboard Sam ride his skateboard in order to accomplish his quest?

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!

Skateboard Sam

Comfortable Ted the Comfort Seeking Grizzly is constantly looking for the perfect place to sit. He found a tree stump and was able to 2/3 of his rump on it, while he sat and watched a rabbit hopping around. Later he found an ant hill to sit on. He was only able to fit 2/9 of his rump on the ant mound, but he had to flee because the ants started biting him. How much more of his rump fit on the stump?

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!

Munching Mary the Hungry Llama
Book 5
Challenge – 7

Munching Mary the Hungry Llama is munching away at her alfalfa . She was given 5/6 of a bale of alfalfa this morning. It's not even 10:00 in the morning, and Munching Mary has already eaten 1/3 of a bale.

How much alfalfa does Munching Mary the Hungry Llama have left to eat?

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!

Lenny the One Armed Lobster is feeling a bit lopsided. His right claw is 5/7 of a decameter long. His left claw is so small you can't even see it. Lenny's left claw is 5/14 of a decameter long.

How much larger is Lenny's right claw than his left claw?

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.

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Rachel the Racing Red Panda

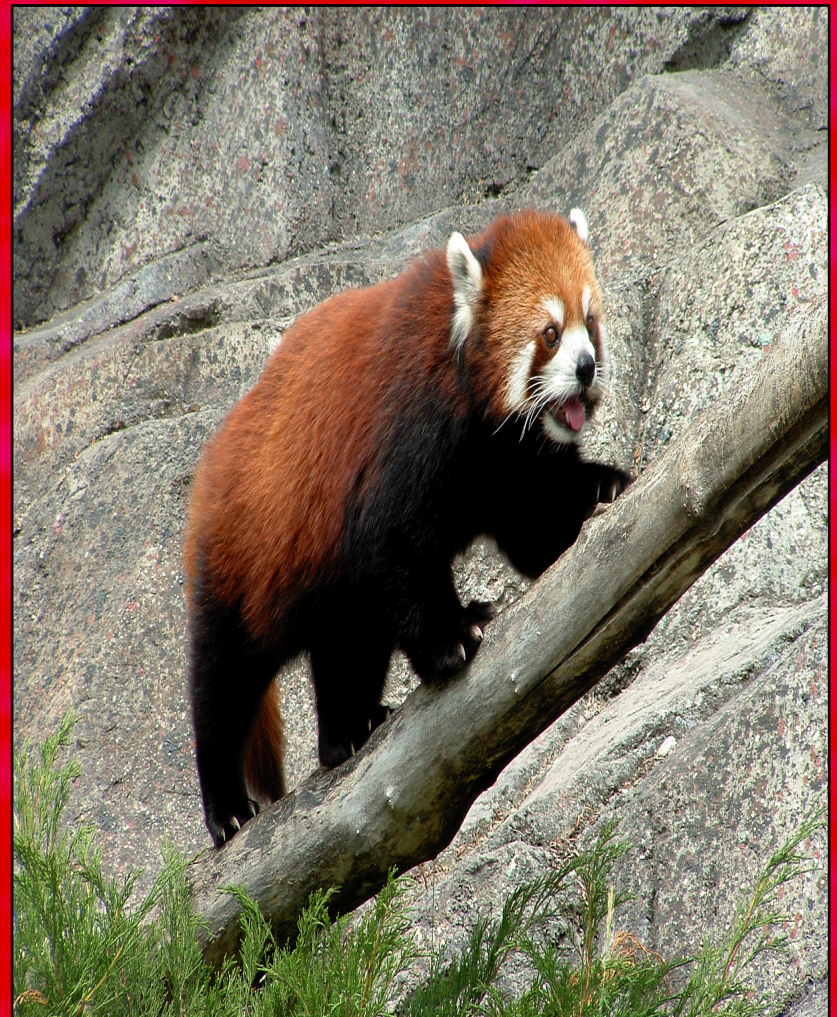**Rachel the Racing Red Panda** loves to run. She scurries over branches, under logs and even up steep cliffs. She is racing against all the other red pandas in her neighborhood. The course is 3/4 of a mile long. Rachel is in front, and she has already run 3/6 of a mile. How much further must Rachel run in order to complete her race?

On Your Own

- Solve this problem just as you did in the earlier one.
- Once you have completed this challenge, click on the photo.
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Rhet Rhino wants to grow up to be just like his dad. His dad's horn is 3/5 of a meter long. Rhet's horn is 1/3 of a meter long. How much will Rhet's horn have to grow before is it is as long as his father's horn?

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.
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Drill & Kill

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

I call this chapter, <u>Drill & Kill</u>, 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 5   Challenge - 11

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

Click Here to Watch the Video

Drill & Kill
Book 5   Challenge - 12

Problem 1 5/8 – 1/3?	**Problem 2** 5/7 – 2/4?
Problem 3 5/6 – 2/5?	**Problem 4** 7/9 – 4/6?

Click Here to Watch the Video

Drill & Kill
Book 5   Challenge - 13

Problem 1 3/5 – 7/15?	**Problem 2** 3/4 – 5/12?
Problem 3 5/6 – 5/18?	**Problem 4** 1/3 – 2/9?

Click Here to Watch the Video

Drill & Kill
Book 5   Challenge - 14

PROBLEM 1	PROBLEM 2
3/8 – 1/4?	5/9 – 1/2?

PROBLEM 3	PROBLEM 4
3/7 – 5/21?	5/6 – 1/9?

Click Here to Watch the Video

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