ILLUSTRATING FRACTIONS

Book 2

Common Core Aligned

Adding Common Denominators

5/6 + 4/6

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.

Math Ninja Celebration Challenge - 1

Book 2

You just won the "Math Ninja" award at your school for solving problems about fractions. It's Celebration time! Your mother made you two special pies to celebrate your awesomeness. One pie is chocolate and the other is lemon. She asked you to cut both pies into 1/7 parts. After cutting the pies you are overwhelmed with temptation. You decide to eat a few slices from each pie. Now there is only 3/7 parts of the chocolate pie and 4/7 parts of the lemon pie.

How much pie do you have in all?

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.

Click Here to view this video

Dogfood Stealing Racoon Challenge - 2

Book 2

A raccoon has been sneaking into your garage and eating your dog's food for two nights. He crawls through the doggy-door, opens the dog-food canister, tips it over, and starts chowing down. You hear the clamor of crashing containers and rush to the garage, but the raccoon scurries out the doggy-door and hides behind a tree in your back yard.

The first night your Dog-Food Stealing Raccoon hid 3/5 of his body behind the tree. The second night he hid 4/5 of his body behind the tree.

How much of his body did your Dog-Food Stealing Raccoon hide behind the tree in all?

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.

Trumpet Playing Dog Challenge - 3

Book 2

You have a very talented dog named Rex. Not only can he sit, roll over, and fetch a ball, but Rex can also play the trumpet. He is so good that he has been asked to give performances at local businesses. The only problem is when Rex sees a cat. It does not matter what he is doing, Rex will chase that cat.

Rex was giving a performance for the local fire department. He was 2/9 of the way through the song when a black and white tabby-cat ran past. Rex dropped his trumpet and took off after the cat. Another time, Rex was playing for the Local Librarians convention when a couple of Siamese cats ran up a tree next to the deck where Rex was performing. Once again, Rex tossed his trumpet aside and took off after the cats. That time he was 4/9 of the way through his song.

How many songs was Rex able to play in all, before he began chasing cats?

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!

Tightrope Walking Panther Challenge - 4

Book 2

You have a favorite stuffed animal named, Pinky the Panther. You decide to create a YouTube channel with a series of short movies called, "Pinky's Adventures".

In one movie, Pinky has joined the circus. He is walking across a tightrope when the rope breaks and Pinky begins to fall. Pinky makes it 5/8 of a yard before the tightrope brakes. Luckily, a circus clown is driving a fire truck underneath Pinky. Pinky lands on the latter as the clown drives under him. The clown drives Pinky 7/8 of a yard to a pool of whipped cream. Pinky jumps into the whipped cream, then stands up, licking his chops, and shouts, "That was fun. Let's do it again!"

The crowd goes wild. How far did Pinky travel in all, from the beginning of the tightrope to the whipped cream?

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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That's the fastest way to learn!

Melvin the Mathematical Cat

Book 2 Challenge - 5

Meet Melvin the Mathematical Cat. He is a mathematical genius, and he is a cat. For the past two days Melvin has been working on a problem for NASA. He is trying to discover how much fuel is needed to travel to Mars. He spent 5/6 of the first day calculating the distance from Earth to Mars, and 4/6 of the second day calculating the amount of fuel burned in space.

How many days did Melvin the Mathematical Cat spend on this problem?

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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Ice-Cream Delight

Book 2 Challenge - 6

You and your best friend are sitting in the front yard on a hot, hot day. Sweat is dripping down your faces, and it feels like you are going to melt into the grass. Your mother walks out with two Ice-Cream Delights. You dig in and eat 6/8 of your ice cream in about 5-seconds. You look at your friend and she has eaten 3/8 of hers.

How much of the Ice-Cream Delight did you and your friend eat in just 5-seconds?

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!

Comic Book Read-A-Thon

Book 2 Challenge - 7

Your school is having a Comic Book Read-A-Thon. You love comic books and pull out your two favorite books. You read 6/7 of the first book before dinner, and 5/7 of the second book before bedtime.

How many comic books have you read 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.
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Obstacle Course Challenge - 8

Book 2

You joined the Young American Obstacle Course Race Team. You must run through forests, crawl under the ground in a tunnel, and climb across a rope course that is 30-feet above the ground. During the first day of training you made it 2/6 of the way across the rope course before you fell. Don't worry, you were connected to a safety cable and glided slowly to the ground. On the second day of training you made it 3/6 of the way across the rope course before you fell. How much of the rope course did you complete 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!

Gerald the German Shepard

Book 2 Challenge - 9

Your dog, Gerald the German Shepard, is a world class obstacle course racing dog. He is one of the fastest dogs in the nation. You take Gerald to the National Championships in Washington DC for competition. Gerald wins the entire race.

In the first run of the race, Gerald is given only three minutes to complete as much of the course as possible. He completes 8/10 of the course. On his second run, he is given only one minute to complete as much of the course as possible. Gerald completes 5/10 of the course.

How much of the course did Gerald the German Shepard complete in all?

On Your Own

- Solve this problem just as you did in the earlier one.
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That's the fastest way to learn!

Mountain Bike Trip
Book 2 Challenge - 10

Your whole family loves to mountain bike, so your parents take you on a trip to Mount Tamalpias in California, where the sport of mountain biking began. The first day of your trip is foggy, but your family rides 7/9 of the mountain trial. On the second day, your family rides 8/9 of the mountain trail.

How much of the Mount Tamalpias biking trail did you ride 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!

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 2 Challenge - II

Problem 1	Problem 2
3/5 + 2/5?	7/9 + 3/9?
Problem 3	**Problem 4**
3/4 + 3/4?	4/7 + 4/7?

Click Here to Watch the Video

Drill & Kill
Book 2 Challenge - 12

Problem 1	Problem 2
1/6 + 5/6?	7/10 + 7/10?
Problem 3	**Problem 4**
3/8 + 7/8?	4/5 + 2/5?

Click Here to Watch the Video

Drill & Kill
Book 2 Challenge - 13

Problem 1	Problem 2
5/11 + 9/11?	6/7 + 6/7?
Problem 3	**Problem 4**
4/5 + 4/5?	5/8 + 5/8?

Click Here to Watch the Video

Drill & Kill
Book 2 Challenge - 14

Problem 1	Problem 2
5/12 + 9/12?	6/11 + 6/11?
Problem 3	**Problem 4**
8/9 + 5/9?	9/13 + 7/13?

Click Here to Watch the Video

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