ILLUSTRATING FRACTIONS

Book 10

MULTIPLYING FRACTIONS

2/3 x 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.

Ferlon the High-Fiving Tortoise
Book 10
Challenge - 1

Ferlon may be slow, but he is friendliest critter this side of the Mississippi River. He is constantly high-fiving all his friends as he walks through his neighborhood. Today, he walked 5/7 kilometers.

If Ferlon high-fives his friends for 3/8 of the time he is walking, what portion of the kilometers is Ferlon the High-Fiving Tortoise Exhibiting his friendly nature to all his friends?

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 Gerla Brakkee

Click Here to view this video

Pinky Tuskadaro the Calculating Orangutan
Book 10
Challenge - 2

Meet Pinky Tuskadaro. He's a mathematical genius! Pinky has to use his fingers and toes, but he can add, subtract, multiply, and divide. As a mater of fact, Pinky spends 6/7 of his waking hours calculating mathematical facts.

If Pinky is awake 3/5 of the day, how much of the day does Pinky Tuskadaro the Calculating Orangutan spend calculating mathematical problems?

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.
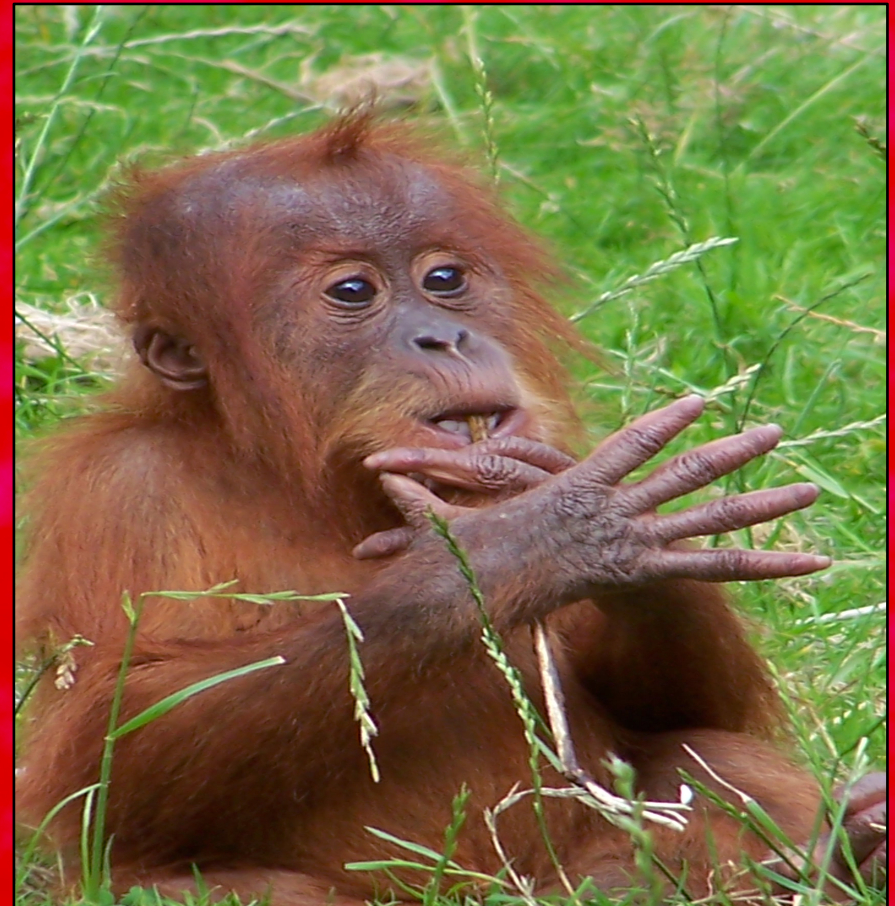
Photo by Cliff Howard

Book 10

Challenge – 3

Wrong Way John is a wandering giraffe. He is constantly turning the wrong way, getting stuck in the brambles, and loosing his way. Last week he traveled 3/4 miles.

If he gets lost 3/8 of the time he is traveling, what portion of the miles is Wrong Way John lost?

Photo by Nino Satria

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.
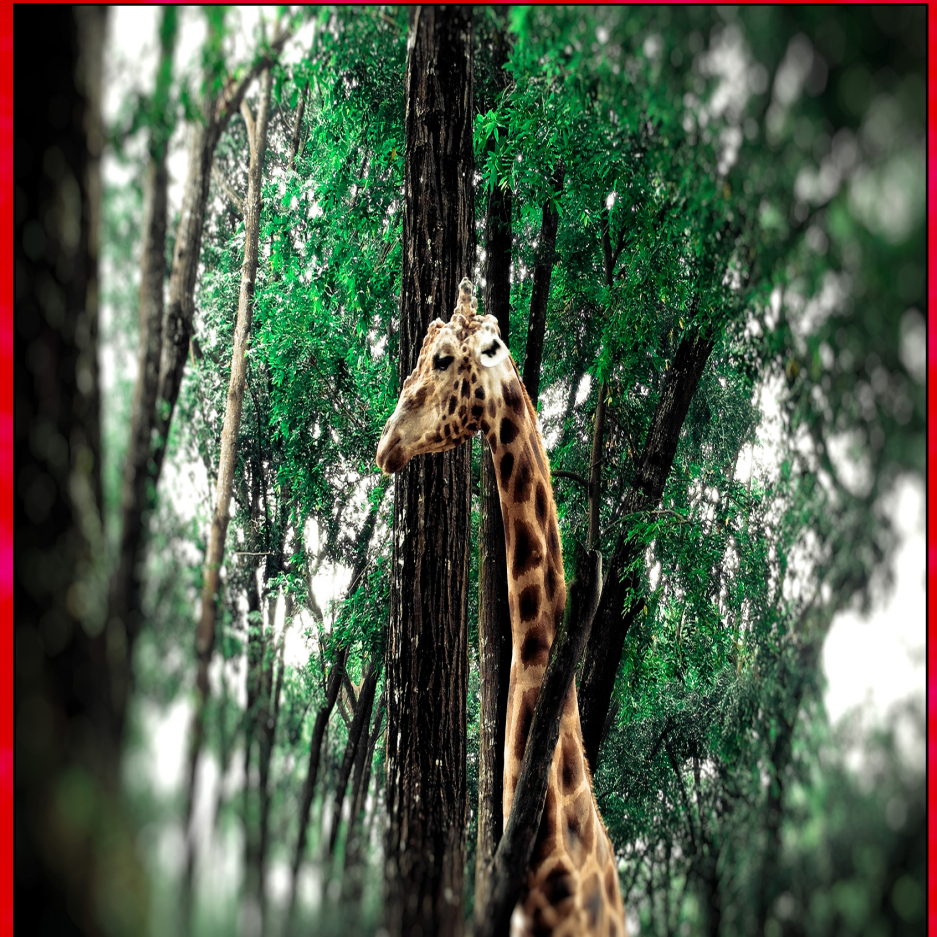
That's the fastest way to learn!

Book 10

Challenge – 4

Stone Cold Kelly just won the Annual Amazon Stare Down Contest. She defeated Stella Stork, Marvin Monkey, and even last year's champion, One-Eyed Ervin Eagle, Stone Cold Kelly won by staring straight into her opponent's eye for minutes at a time without blinking. Stone Cold Kelly trains 5/6 of her waking hours.

If she only blinks 1/6 of the time that she is training, what portion of her waking hours is Stone Cold Kelly blinking?

On Your Own

- Solve this problem just as you did in the earlier one.
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- Keep your paper with you while you watch the video.
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That's the fastest way to learn!

Photo by Marcelo Gerpe

Pelican Pete loves the game of golf. However, he plays the game a bit differently than humans. Pelican Pete soars overhead looking for a golfer that is about to tee-off. When the golfer steps back to look at the roll of the land, contemplating how he plans to hit the ball, Pelican Pete swoops in and scoops up the ball. He holds the golf ball in his mouth and flies toward the green. As he nears the hole, Pelican Pete pushes the ball out with his tongue and watches as it rolls toward the hole.

If Pelican Pete steals a golf ball from 2/5 for the golfers he sees and makes a hole-in-one 3/5 of the time, what portion of his game-play is rewarded with a hole-in-one?

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!

Photo by Doddy Wirawan

Croaking Craig is heartbroken. His girlfriend, Frieda Frog, hopped away two weeks ago. Every morning, as the sun rises, Croaking Craig goes back to the pond where he last saw Frieda and begins singing. He croaks out a musical tune that he hopes will bring Frieda back to him.

Croaking Craig spends 4/7 of his day floating in the pond. If he sings for Frieda 3/5 of the time he is in the pond, how much of the day does Croaking Craig croak?

On Your Own

- Solve this problem just as you did in the earlier one.
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- Keep your paper with you while you watch the video.
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That's the fastest way to learn!

Photo by Peter Szustka

Lounging Leonardo can sleep anywhere. He has been known to sleep under a thorn bush, on top of his little brother Lenard, and even in the crook of these branches. Leonardo sleeps 3/4 of the day.

If he sleeps in the crook of these branches 2/3 of the time, what portion of the day does Lounging Leonardo Leppard sleep in this tree?

On Your Own

- Solve this problem just as you did in the earlier one.
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- Keep your paper with you while you watch the video.
- If you made a mistake, pause the video and fix your mistake.
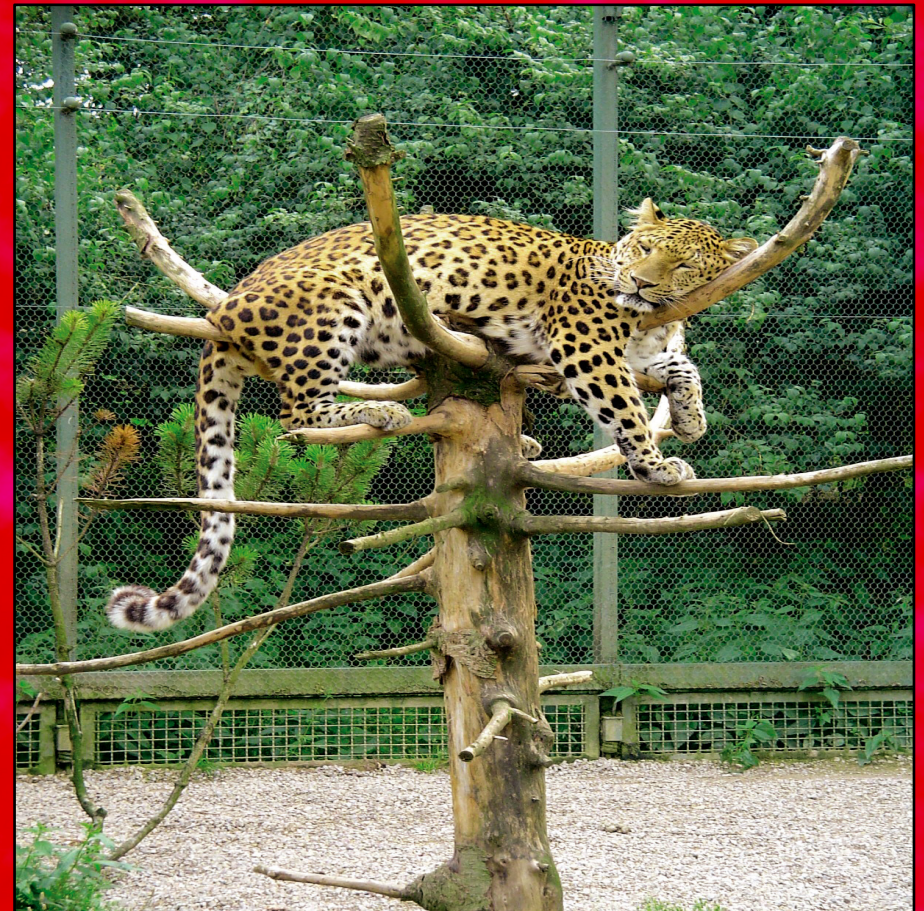
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Photo by G Schouten de Jel

Book 10   Challenge – 8

Renly Raccoon is on the hunt. He is always looking for an unsuspecting person who leaves his lunch unattended. People are always coming to Renly's park, sitting on the bench for a quiet meal, and then getting distracted. To be honest, Renly sends his wife and four children across the clearing, while he climbs a tree and waits. His wife and kids begin to frolic and play. The humans set down their lunch and watch. That's when Renly strikes. He sprints in, grabs the lunch, and takes off into the brambles.

5/7 of the people who enter the park bring their lunch. Renly steals food from 3/7 of those people. What portion of the people who enter the park lose their lunch to Renly Raccoon?

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 Justine FG

Silvia is a hard working spider. She has to be, because she has over a hundred children to feed. Her babies will hatch tomorrow. Silvia must complete her web, and catch an insect or two, so her babies can eat. Silvia's web will be 3/7 of a meter wide when it is complete. She has built 1/2 of the web.

How wide is her web right now?

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!

Photo by Sandra Cunningham

Sandy Starfish

Book 10   Challenge - 10

Sandy Starfish wants to be human. She has watched humans for years, and knows just how to pose, so that people think she is one of them. Each morning when the aquarium opens, Sandy makes her way to the glass. She poses as if she is walking toward the center of the tank. She loves it when the humans say, "Look! That starfish is walking. It looks human!"

If 5/6 of the people touring the aquarium notice Sandy Starfish, and 3/7 of those people say that she looks like a human, what portion of touring people say that Sandy Starfish looks like a human?

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!

Photo by Chris van ES

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!

<u>Problem 1</u> 2/3 x 5/8?	<u>Problem 2</u> 3/4 x 2/7?
<u>Problem 3</u> 4/5 x 3/6?	<u>Problem 4</u> 5/6 x 4/9?

Click Here to Watch the Video

Drill & Kill
Book 10   Challenge - 12

<u>Problem 1</u> 5/8 x 1/3?	<u>Problem 2</u> 5/7 x 2/4?
<u>Problem 3</u> 5/6 x 2/5?	<u>Problem 4</u> 7/9 x 4/6?

Click Here to Watch the Video

Drill & Kill
Book 10   Challenge - 13

<u>Problem 1</u> 3/5 x 3/5?	<u>Problem 2</u> 3/4 x 5/7?
<u>Problem 3</u> 5/6 x 3/7?	<u>Problem 4</u> 1/3 x 3/4?

Click Here to Watch the Video

Drill & Kill
Book 10   Challenge - 14

<u>Problem 1</u> 3/8 x 1/4?	<u>Problem 2</u> 4/9 x 1/5?
<u>Problem 3</u> 3/7 x 1/8?	<u>Problem 4</u> 4/5 x 1/2?

Click Here to Watch the Video

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