



ILLUSTRATING FRACTIONS

Book 6

COMMON
CORE
ALIGNED

ADDING MIXED
NUMBERS

$$2 \frac{3}{4} + 3 \frac{5}{6}$$



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.

BOOK 6

Red Tailed Hawk

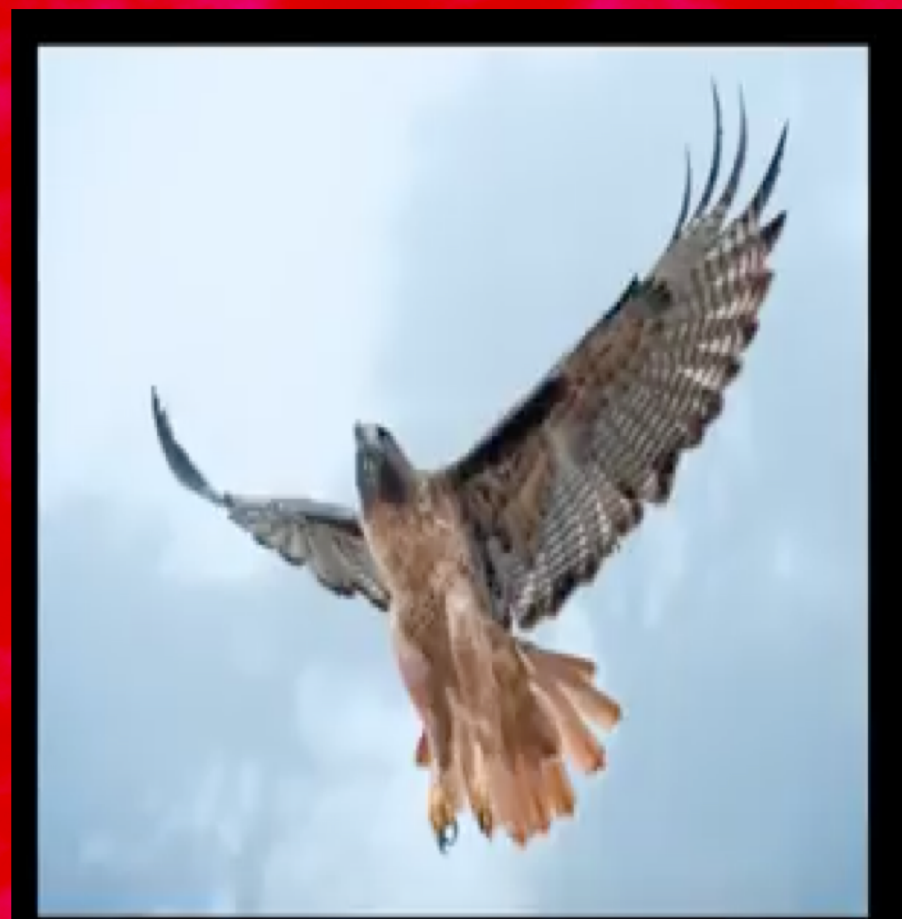
CHALLENGE - I

You are on a hike when you see a Red Tailed Hawk soaring across the sky. It is absolutely beautiful! The hawk is circling round and round in two circles that form an 8. The upper portion of the Eight is $2 \frac{3}{4}$ miles around. The lower portion of the Eight is $3 \frac{5}{6}$ miles around.

How far does the Red Tailed Hawk fly each time he completes his figure-8 shape in the sky?

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](#)

BOOK 6

HUNGRY CHIPMUNK

CHALLENGE - 2

You are camping in Yellowstone National Park. You are sitting on the picnic table at your campsite eating chips when a cute, little chipmunk scampers up to you. You feed him $2 \frac{2}{3}$ bags of chips. The next day you are eating more chips when the friendly chipmunk reappears. This time you feed him $2 \frac{3}{5}$ bags.

How many bags of chips did you feed your **HUNGRY CHIPMUNK**?

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.



MURAL PROJECT

BOOK 6

CHALLENGE – 3

Your class was asked to create two murals for your school. The murals will be painted on a number of walls near your school's gymnasium. Your teacher has chosen two art projects for the murals. One is a drawing of Native Americans. The other is a drawing of the people from your community. You get to use $1 \frac{4}{9}$ walls for one mural and $1 \frac{2}{3}$ walls for the other drawing.

How many walls will be covered by these two drawings?

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!



POOL-SLASH PARTY

BOOK 6

CHALLENGE – 4

You are invited to a **POOL-SPLASH PARTY** at your friend's house. Your friend has become famous, because she dips her head in the water and then flings her hair back. Her photos are all over the internet and you can't wait to watch her do her "hair fling thing". In order to get from your house to her pool you will need to walk $1 \frac{1}{2}$ miles to the bus stop. Next, you will need to ride the bus another $2 \frac{5}{8}$ miles before you reach her home.

How far will you travel when you go to the **POOL-SPLASH PARTY**?

On Your Own

- Solve this problem just as you did in the earlier one.
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NEWSPAPER REPORTER

BOOK 6

CHALLENGE - 5

You are a **REPORTER FOR YOUR SCHOOL NEWSPAPER**. This week's topic is underwater exploration. You have decided to write a similar story to the one written in the New York Times about the sinking of the Titanic. Your best friend is writing another story about the famous oceanographer and filmmaker, Jacques Cousteau. Your story will use $2 \frac{2}{3}$ pages. Your friend's story will use $1 \frac{5}{7}$ pages.

How many pages will these two stories use of your school's newspaper?

On Your Own

- Solve this problem just as you did in the earlier one.
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BELLATRIX BUNNY

BOOK 6

CHALLENGE - 6

BELLATRIX BUNNY is on the loose. She escaped from her cage and took off running. Now she's not sure where to go. She's a bit thirsty, and the pond is $1 \frac{5}{6}$ kilometers down the path. But she really wants to explore the woods, which is another $2 \frac{7}{9}$ past the barn.

If Bellatrix Bunny hops all the way to the woods, how far will she have hopped?

On Your Own

- Solve this problem just as you did in the earlier one.
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Photo by
Rooping

SANDY THE SIDE-STEPPING CRAB

BOOK 6

CHALLENGE – 7

SANDY THE SIDE-STEPPING CRAB scuttles across the beach moving this way and that. He has to be swift and stealthy, because seagulls are constantly trying to eat him. Sandy was exploring the beach on a sunny day when a huge seagull spotted him. Sandy's legs moved in a blur as he scuttled $3 \frac{3}{7}$ yards to hide under a boulder. He waited until the gull flew down the beach then took off for the ocean waters, which were another $2 \frac{2}{3}$ yards away.

How far did Sandy the Side-Stepping Crab have to scuttle to reach safety?

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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Photo by
Caetano Lacerda

PRANCING HOLLY HORSE

BOOK 6

CHALLENGE – 8

PRANCING HOLLY HORSE wins top medals every time she enters a horse show. When she enters the ring her knees lift high. Her ankles flex, and she prances beautifully around the ring. Before any show, Holly practices her prancing for $1 \frac{1}{2}$ hours. During the show, Holly prances for another $\frac{3}{5}$ of an hour.

How long does Holly Horse prance when she has a show?

On Your Own

- Solve this problem just as you did in the earlier one.
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CLIMBING CLARENCE

BOOK 6

CHALLENGE - 9

CLIMBING CLARENCE is on a mission. He wants to climb faster than any one else in his entire family, and he has 142 brothers and sisters. Each morning he trains, climbing up a slippery pole, jumping to a nearby fence, then reaching for a low hanging branch, and climbing to the top of the tree. He trains for $1 \frac{2}{5}$ hours. Then he brakes for a quick lunch of acorns. After that Climbing Clarence races back to the pole and trains for another $2 \frac{3}{4}$ hours. How many hours does Climbing Clarence train each morning?

On Your Own

- Solve this problem just as you did in the earlier one.
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Photo by
Ali Taylor

SOARING SALLY THE DAREDEVIL SEA TURTLE

BOOK 6

CHALLENGE - 10

SOARING SALLY is a daredevil. She knows it's dangerous, but she can't help teasing the Great White Sharks that cruise her waters. Soaring Sally soars in from behind the Great Whites and slaps them on the nose with her front flipper. Then she takes off like a rocket, soaring through the water. Soaring Sally only counts the slap if it is full on the shark's nose. Anything less is a partial slap. Soaring Sally slapped $2 \frac{5}{6}$ sharks on Monday. She slapped another $3 \frac{3}{4}$ noses on Tuesday.

How many Great Whites did Soaring Sally slap in all?

On Your Own

- Solve this problem just as you did in the earlier one.
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Photo by
Tan Wah Chew

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 6 CHALLENGE - II

<p><u>PROBLEM 1</u></p> <p>$1 \frac{1}{2} + 2 \frac{5}{8}?$</p>	<p><u>PROBLEM 2</u></p> <p>$3 \frac{3}{4} + 4 \frac{2}{7}?$</p>
<p><u>PROBLEM 3</u></p> <p>$2 \frac{4}{5} + 4 \frac{3}{6}?$</p>	<p><u>PROBLEM 4</u></p> <p>$5 \frac{1}{6} + 1 \frac{1}{9}?$</p>

CLICK HERE
to
WATCH THE VIDEO

DRILL & KILL
BOOK 6 **CHALLENGE - 12**

<p><u>PROBLEM 1</u></p> <p>$1 \frac{1}{8} + 1 \frac{1}{3}?$</p>	<p><u>PROBLEM 2</u></p> <p>$3 \frac{3}{7} + 2 \frac{1}{4}?$</p>
<p><u>PROBLEM 3</u></p> <p>$4 \frac{2}{6} + 3 \frac{2}{4}?$</p>	<p><u>PROBLEM 4</u></p> <p>$2 \frac{2}{9} + 1 \frac{4}{6}?$</p>

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to
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DRILL & KILL
BOOK 6 **CHALLENGE - 13**

PROBLEM 1

$$3 \text{ } \frac{2}{5} + 2 \text{ } \frac{1}{3}?$$

PROBLEM 2

$$2 \text{ } \frac{1}{4} + 1 \text{ } \frac{1}{6}?$$

PROBLEM 3

$$1 \text{ } \frac{2}{6} + 1 \text{ } \frac{1}{9}?$$

PROBLEM 4

$$3 \text{ } \frac{1}{3} + 1 \text{ } \frac{2}{9}?$$

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to
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DRILL & KILL
BOOK 6 **CHALLENGE - 14**

<p><u>PROBLEM 1</u></p> <p>1 $\hat{=}$ $3/8 + 1/4$?</p>	<p><u>PROBLEM 2</u></p> <p>2 $\hat{=}$ $2/9 + 1 \hat{=}$ $1/2$?</p>
<p><u>PROBLEM 3</u></p> <p>2 $\hat{=}$ $3/7 + 1 \hat{=}$ $5/14$?</p>	<p><u>PROBLEM 4</u></p> <p>3 $\hat{=}$ $5/6 + 2 \hat{=}$ $1/9$?</p>

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