



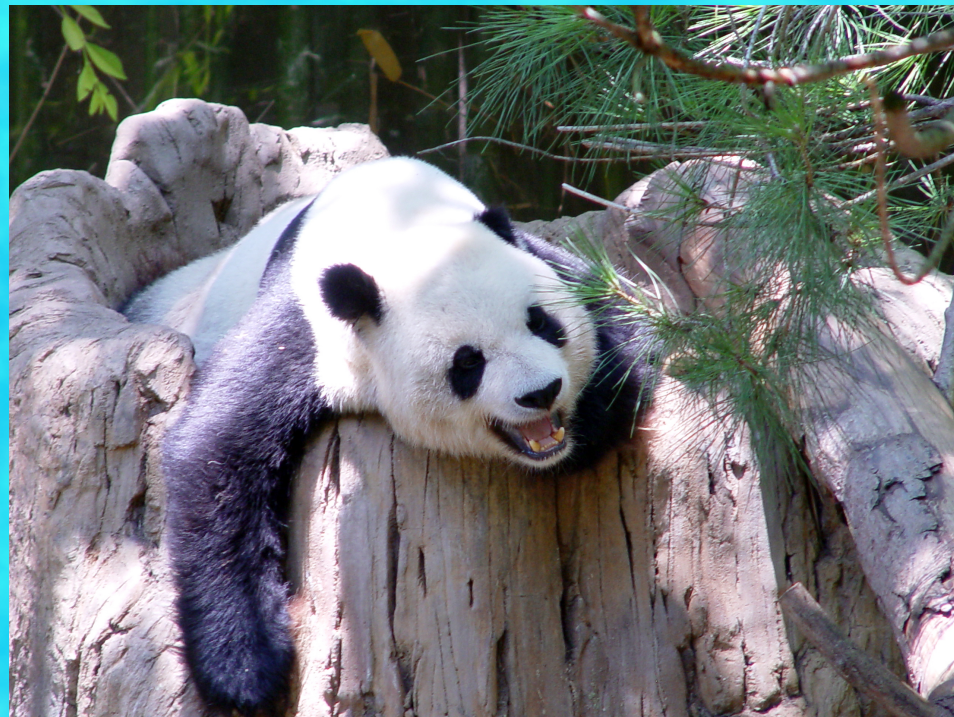
AREA MULTIPLICATION

3 X 4 DIGIT (IE: 694 X 6,368)

Common
Core
Aligned

Includes 26 PROBLEMS
EACH ONE IS LINKED TO A VIDEO TUTORIAL

	694 X 6,368
	6368
4	25472
90	573120
600	3820800
	4,419,392



No
PREP!
Designed
So
Anyone
Can
Multiply!



AREA MULTIPLICATION



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.
- If you do NOT have all your multiplication facts memorized, make sure to watch the entire video. Say the “counting by the numbers” at the end of each video so that you can use this strategy until you memorize all your multiplication facts.
- After each problem, take your paper to your teacher for a final review.

Hide and Go Seek Zeek

Book 4

Challenge 1

Hide and Go Seek Zeek is all about having fun. And, his favorite fun time activity is playing hide & go seek. Zeek plays hide & seek for 9,463 seconds every day. That's just under 3 hours. If Zeek played hide & go seek every day for one year (365 days) how many seconds did he spend playing hide & go seek?



Photo by Kevin Lafferty

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.

Ignacio the lettuce Sharing Iguana

Book 4

Challenge 2

IGNACIO THE LETTUCE SHARING IGUANA is the friendliest iguana in all of Brazil. He always shares his lettuce with smaller iguanas. As a matter of fact, over the past 749 days Ignacio shared 2,977 pieces of lettuce each and every day. How many pieces of lettuce did Ignacio share all together?

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
Patrik Affentranger

LAZY LION PRIDE

Book 4

Challenge 3

Meet the **LAZY LION PRIDE**. They nap more than any other pride of lions in the African Savana. Each morning, this group of lions finds a comfortable branch and sleeps for exactly 9,876 seconds. How many seconds will this pride of lions nap during the next 243 mornings?

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
Mary-Anne v d byl

SOARING SANDY THE DAREDEVIL SEA TURTLE

Book 4

Challenge 4

SOARING SANDY THE DAREDEVIL SEA TURTLE is fearless.

When she sees a great white shark, rather than swim for safety, Soaring Sandy races straight for the shark. She headbutts the shark and sends it away from her children. For the past 164 days her small area of ocean has been inundated with 7,538 great white sharks. If Soaring Sandy had to defend her children from each and every shark, once a day, how many times did she headbutt a great white in the past 164 days?

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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That's the fastest way to learn!



Photo by
Tan Wah Chew

RHETT RHINO

Book 4

Challenge 5

RHETT RHINO wants to grow up to be just like his dad. His dad is the sheriff of the African Plains. When there is a dispute between a couple of zebras, guzzles, warthogs, or even lions, Rhett's dad comes to the rescue and solves the problem. Rhett's dad has been the sheriff for 794 days. Each day he resolved 5,806 disputes. How many disputes has Rhett Rhino's dad solved 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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That's the fastest way to learn!



Photo by Leslie Van Veenhuizen

Geraldine the Day Dreaming Giraffe

Book 4

Challenge 6

GERALDINE THE DAY DREAMING GIRAFFE has a boyfriend that she can not stop thinking about. All day long Geraldine sits and daydreams about their life together. She dreams about getting married, finding a nice patch of savanna, and raising ten to fifteen baby giraffes. As a matter of fact, Geraldine daydreams 8,673 seconds every single day. How many seconds had Geraldine the Day Dreaming Giraffe spent daydreaming over the past 439 days?

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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That's the fastest way to learn!

Photo by Katharina Hammes



Kilroy the Komodo Dragon

Book 4

Challenge 7

KILROY THE KOMODO DRAGON is dangerous. Hey, they don't call him Kilroy for nothing. Kilroy has killed, deer, carrion, pigs and even water buffalo. In his defense, that is his food. Kilroy only eats about once a month, but he eats 3,456 ounces of meat, (that's over 180 pounds) at each meal. How many ounces of meat has Kilroy the Komodo Dragon eaten in his past 369 meals?

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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That's the fastest way to learn!



Photo by
Nicholas Hinks

Martha Lyn the Mountain Lion

Book 4

Challenge 8

MARTHA LYN THE MOUNTAIN LION is a model. She wears no make up, yet her eyes are outlined with rich, black fur, her mouth is accented in white, and her cheekbones pop. Photographers fly in from all over the world to film Martha Lyn. As a matter of fact, for the past 573 days, Martha Lyn has had 6,394 pictures taken each and every day. How many pictures have been taken of Martha Lyn the Mountain Lion?

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
Scott Snyder

BUFFALO BILL

Book 4

Challenge 9

BUFFALO BILL lives in Wyoming. He is a male buffalo, and he weighs 2,186 pounds. If there are 382 male buffalos in his herd that weigh the same amount of pounds that Buffalo Bill weighs, how much would they weigh all together?

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
Kym Parry

Hector Hornet

Book 4

Challenge 10

HECTOR HORNET is on the move. He is constantly flying from here to there in search of food. His favorite food is ribeye steak, which he steals from unsuspecting picnickers who visit his park. Hector flaps his wings 1,496 times every minute. If it takes Hector 276 minutes to find a picnicker who is having ribeye steak, how many times will he flap his wings ?

On Your Own

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

CHAPTER

2

More Practice

- 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!

Area Multiplication Challenge II

CHALLENGE A

$$748 \times 5,796$$

CHALLENGE B

$$629 \times 6,857$$

CHALLENGE C

$$538 \times 9,432$$

CHALLENGE D

$$876 \times 4,643$$

**THIS IS AN
ON YOUR OWN PROBLEM**

Complete these Problems, then, [Click Here to watch the Video!](#)

Area Multiplication
Challenge 12

CHALLENGE A

$$157 \times 3,986$$

CHALLENGE B

$$438 \times 2,897$$

CHALLENGE C

$$246 \times 1,324$$

CHALLENGE D

$$385 \times 5,038$$

THIS IS AN
ON YOUR OWN PROBLEM

Complete these Problems, then, [Click Here to watch the Video!](#)

Area Multiplication Challenge 13

CHALLENGE A

$$592 \times 1,391$$

CHALLENGE B

$$867 \times 4,804$$

CHALLENGE C

$$683 \times 7,337$$

CHALLENGE D

$$781 \times 6,219$$

**THIS IS AN
ON YOUR OWN PROBLEM**

Complete these Problems, then, Click Here to watch the Video!

Area Multiplication Challenge 14

CHALLENGE A

$$631 \times 8,026$$

CHALLENGE B

$$475 \times 3,484$$

CHALLENGE C

$$396 \times 5,636$$

CHALLENGE D

$$954 \times 4,679$$

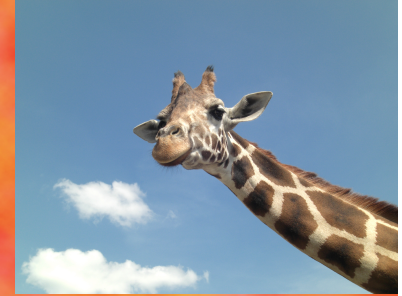
**THIS IS AN
ON YOUR OWN PROBLEM**

Complete these Problems, then, Click Here to watch the Video!

A SPECIAL THANKS TO ALL THE PHOTOGRAPHERS FROM
FREEIMAGES.COM
WHO ALLOWED ME TO USE THEIR AMAZING PICTURES TO CREATE THIS BOOK.!



Photos by:
Kevin Lafferty, Patrik Affentranger, Mary-Anne v d byl,
Tan Wah Chew, Leslie Van Veenhuizen, Katharina
Hammes, Nicholas Hinks, Scott Snyder, Kym Parry, and
Jacqueline Bobeldijk



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Thank you Brian McCoy

