



AREA MULTIPLICATION

2 X 4 DIGIT (IE: 37 X 6,375)

Common
Core
Aligned

Includes 26 PROBLEMS
EACH ONE IS LINKED TO A VIDEO TUTORIAL



$$\begin{array}{r} 37 \times 6,375 \\ 6375 \\ 7 \quad \boxed{44625} \\ 30 \quad \boxed{+ 191250} \\ \hline 235,875 \end{array}$$

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.

Amos the Angry Kitten

Book 3

Challenge 1

AMOS THE ANGRY KITTEN does not like ants. He just spotted one now, and he is ready to fight. On his daily prowl through his yard, Amos attacks an ant mound. There are 1,357 ants living there, and Amos fights every one of them. If Amos does battle with each of the 1,357 ants every day for 46 days, how many ant-battles will Amos the Angry Kitten complete?

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.

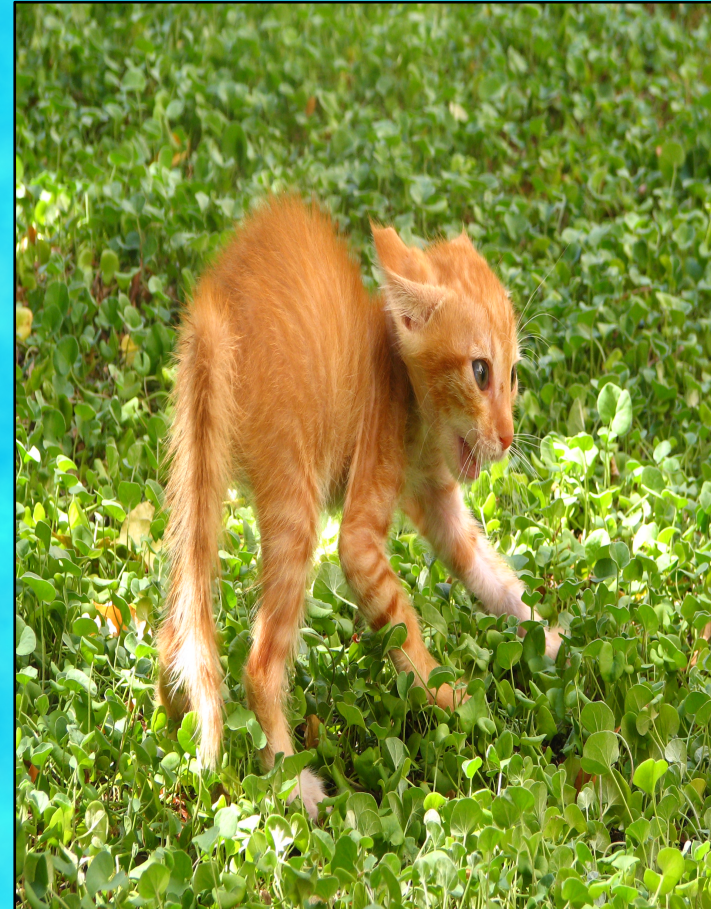


Photo by Sara Haj-Hassan

Montana the Lily Loving Moose

Book 3

Challenge 2

MONTANA THE LILY LOVING MOOSE

is always on the hunt for a tasty treat. He wades through the rivers looking for lily pads. Montana eats 3,492 lily pads each day. Yes – that is a lot of lily pads, but Montana is a big moose. How many lily pads will Montana eat in the next 67 days?

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
Lisa Langell

SHELBY & SHERMAN SEAHORSE

Book 3 Challenge 3

SHELBY & SHERMAN are a couple of thoroughbred seahorses. They are the two fastest seahorses in the entire world. Together, they have completed a 38 races across the Pacific Ocean, from the Bering Strait to Antarctica's Rose Sea, which is 9,586 miles. Altogether, how many miles have these two seahorses raced across the Pacific Ocean?

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!

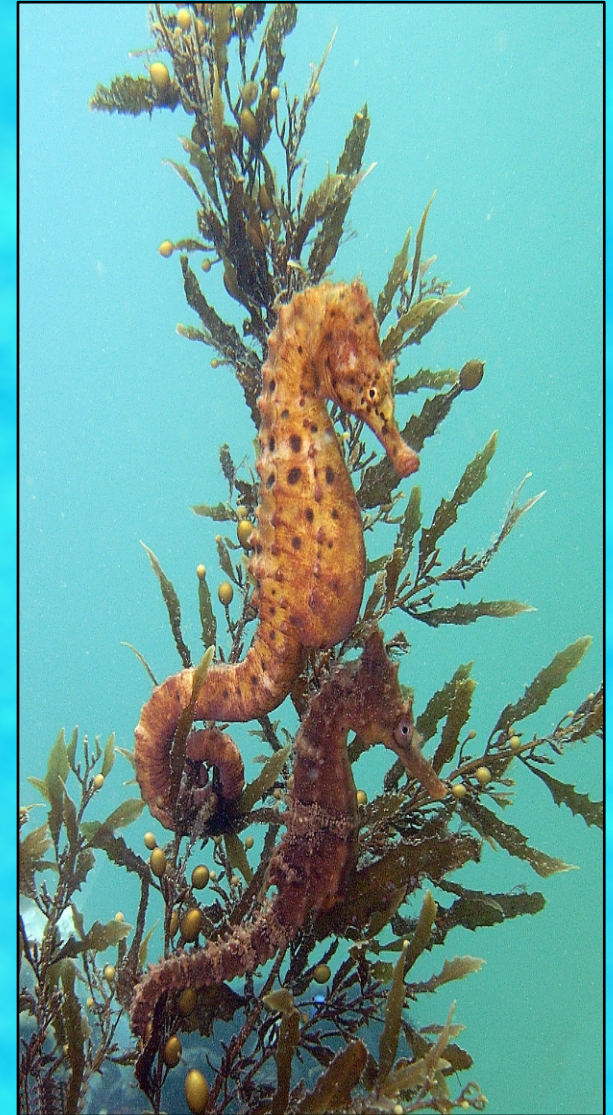


Photo by Rick Hawkins

CROAKING CRAIG THE FORLORN BULLFROG

Book 3

Challenge 4

CROAKING CRAIG is sad. His girlfriend left him for Boris Bullfrog. Now, Craig spends his days croaking loudly in hopes of finding a new and better girlfriend. Craig croaks 2,547 times every day. So far Craig has been croaking for 91 days. How many times has **Croaking Craig the Forlorn Bullfrog** croaked in hopes of finding a new girlfriend?



Photo by Peter Szustka

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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GINNY THE LOVE-SICK GIRAFFE

Book 3

Challenge 5

GINNY THE LOVE-SICK GIRAFFE can't stop thinking about Gerardo Giraffe. He is tall, speckled, and handsome. Gerardo has long legs, tawny colored horns, and flaring nostrils. Ginny is constantly trying to get Gerardo's attention. She does sitting poses, standing poses, and even prancing poses. If Ginny completes 1,476 poses every day for 24 days, how many poses will she complete?

On Your Own

- Solve this problem just as you did in the earlier one.
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- If you made a mistake, pause the video and fix your mistake.

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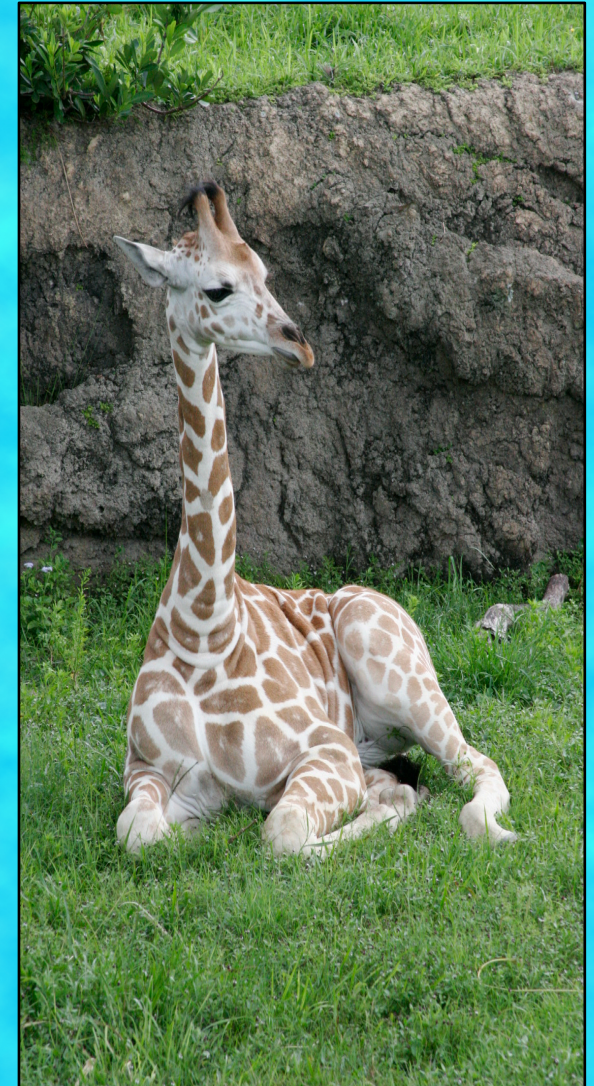


Photo by TK9805

Byanca Butterfly

Book 3

Challenge 6

BYANCA BUTTERFLY helps flowers grow. She carries pollen from one flower to another. Each time she lands on a flower she carries 17 milligrams of pollen to the next flower. Byanca has carried pollen from flower to flower 2,832 times. How many milligrams of pollen has Byanca Butterfly carried in all?



Photo by Claudia Meyer

On Your Own

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Bellatrix Bunny

Book 3

Challenge 7

BELLATRIX BUNNY is a hopping machine. She hops faster than any other bunny in the entire world. Bellatrix hops 4,687 every hour, that's 4,687 hops per hour. If Bellatrix could maintain that speed for 34 hours, how many hops would she complete?

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
Rooping

Lenny the One Armed Lobster

Book 3

Challenge 8

LENNY THE ONE ARMED

LOBSTER is the strongest lobster in the entire world. He only has one arm, but the claw has amazing crushing power. When Lenny squeezes that claw, he put 5,029 foot-pounds of pressure on whatever he crushes. If Lenny clamps down on 67 fish, how many foot-pounds of pressure would Lenny have created in all?



Photo by Gerla Brakkee

On Your Own

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

Book 3

Challenge 9

BLUE is a traveling bird. He has flown from New York, USA to Rome, Italy and back a total of 54 times. If Rome is 6,898 miles from New York, how far has Blue flown in all?



Photo by Thomas Eagan

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!

Zippy Zebra

Book 3

Challenge 10

ZIPPY ZEBRA can kick faster than any other zebra on the African Plains. That comes in quite handy when he is getting attacked by lions. When lions jump toward Zippy's back, a lightning fast kick sends them tumbling back. If Zippy kicks 73 lions a day for the next 3,483 days, how many lions will he send tumbling back?



Photo by Rainer SXC Schimidt

On Your Own

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

$$48 \times 5,796$$

CHALLENGE B

$$29 \times 6,857$$

CHALLENGE C

$$38 \times 9,432$$

CHALLENGE D

$$76 \times 4,643$$

**THIS IS AN
ON YOUR OWN PROBLEM**

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

Area Multiplication
Challenge 12

CHALLENGE A

$$57 \times 3,986$$

CHALLENGE B

$$38 \times 2,897$$

CHALLENGE C

$$46 \times 1,324$$

CHALLENGE D

$$85 \times 5,038$$

THIS IS AN
ON YOUR OWN PROBLEM

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

Area Multiplication
Challenge 13

CHALLENGE A

$$92 \times 1,391$$

CHALLENGE B

$$67 \times 4,804$$

CHALLENGE C

$$83 \times 7,337$$

CHALLENGE D

$$81 \times 6,219$$

THIS IS AN
ON YOUR OWN PROBLEM

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

Area Multiplication
Challenge 14

CHALLENGE A

$$31 \times 8,026$$

CHALLENGE B

$$75 \times 3,484$$

CHALLENGE C

$$96 \times 5,636$$

CHALLENGE D

$$54 \times 4,679$$

THIS IS AN
ON YOUR OWN PROBLEM

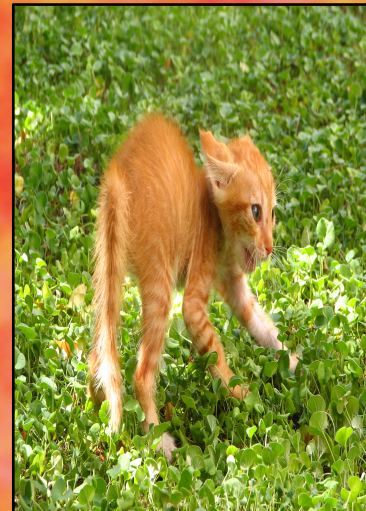
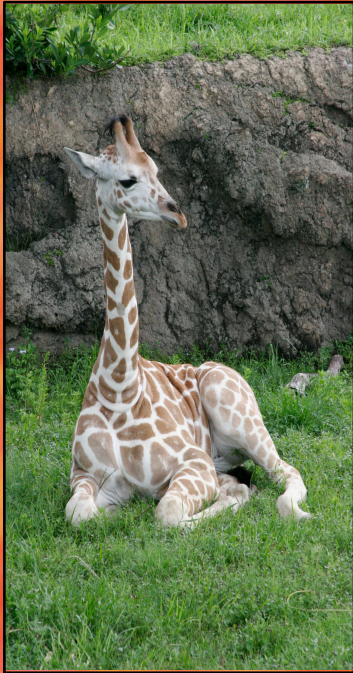
Complete these Problems, then, [Click Here to watch the Video!](#)

A SPECIAL THANKS TO ALL THE PHOTOGRAPHERS FROM
FREEIMAGES.COM

WHO ALLOWED ME TO USE THEIR AMAZING PICTURES TO CREATE THIS BOOK.!

Photos by:

Sara Haj-Hassan, Lisa Langell, Rick Hawkins, Peter Szustka,
TK9805, Claudia Meyer, Rooling, Gerla Brakkee, Thomas
and Eagan, Rainer SXC Schmidt



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