

# AREA DIVISION

COMMON  
CORE  
ALIGNED

Book 1

- THREE DIGITS DIVIDED BY ONE
  - $524 \div 8 = 65 \text{ R}4$
- DESIGNED SO THAT ANYONE CAN SUCCEED AT LONG DIVISION!
- FUN ANIMALS WORD PROBLEMS.



$$\begin{array}{r} 65 \text{ R}4 \\ \hline 8 \overline{) 524} \\ \underline{- 480} \phantom{0} \\ 44 \\ \underline{- 40} \\ 4 \end{array}$$

NO PREP!

Load Into Google Classroom & Go!



# AREA DIVISION

## 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.

# Cookies For Sale

## Book 1

## Challenge – 1

You love to bake. Your favorite thing to bake is cookies, and everyone says your cookies are the best! So, you decide to sell your cookies. You have baked 524 cookies. Each cookie box holds 8-cookies.

How many boxes do you need?

Will you have any cookies left over?

## 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](#)

Cookies for sale!



# Mountain Bike Tour

## Book 1 Challenge – 2

You and your family love mountain biking. You decide to go on a family mountain biking tour across a 230-mile trail of the Rocky Mountains. Your plan is to ride 7 miles each day. How many days will it take you to complete your mountain biking tour?

### 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.

**CLICK HERE  
TO VIEW THIS VIDEO**

**Mountain Bike Tour**



# Junior NASA Club of America

## Book 1 Challenge – 3

You have joined the Junior NASA Club of America. It is a very cool club that teaches you about being an astronaut. Today you get to put on a space suit and fly in a super fast jet. Your jet will fly super fast for 9 seconds. You will travel 345 miles in that time. How far will you travel each second?

### 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!**

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**Junior NASA Club**



# Professional Frog Catcher

## Book 1 Challenge – 4

You are a professional frog catcher. You can catch any frog, any time, anywhere! You're called to a farm in Nebraska. The farmer wants you to catch all the frogs in his pond, because their croaking is driving him nutty. You catch 282 frogs in just 6-days. You catch the same amount of frogs each day. How many frogs do you catch per day?

### On Your Own

- Solve this problem just as you did in the earlier one.
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### Professional Frog Catcher



# Racing Armadillo

Book 1

Challenge – 5

You have a pet armadillo that runs like the wind. You decide to enter your pet in the Annual Texas Armadillo Race. The race is 427 miles across the dusty sands of Texas. If your armadillo can run 4 miles per hour for the entire race, how many hours will it take him to complete the race?

## On Your Own

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



# Scarlett Squirrel

## Book 1

## Challenge – 6

Scarlett Squirrel is preparing for winter along side the Grand Canyon. She has only 3 days left before she must go into hibernation. Before her long sleep she must gather 765 nuts. How many nuts must Scarlett Squirrel collect each day in order to obtain her goal?

### On Your Own

- Solve this problem just as you did in the earlier one.
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# Emma & Ella Elephant

## Book 1

## Challenge – 7

Emma Elephant and her daughter Ella are thirsty. It is the dry season in Africa, and the nearest water is 946 kilometers across the savanna. Emma and baby Ella walk 8 kilometers an hour. How many hours until Emma & Ella get to drink the cool, refreshing water?

### 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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# Pamela Piglet

## Book 1

## Challenge – 8

Pamela Piglet loves nothing more than the thrill of eating slop. Her goal is to grow even bigger than her mother and win the grade prize at the state fair. Pamela knows that she needs to eat a lot of slop if she is going to obtain her goal. Each day she is given 871 grams of food. Farmer Johannes, her owner, feeds her nine times each day. How many grams of food does Pamela Piglet eat at each meal?

### On Your Own

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

## Book 1

## Challenge – 9

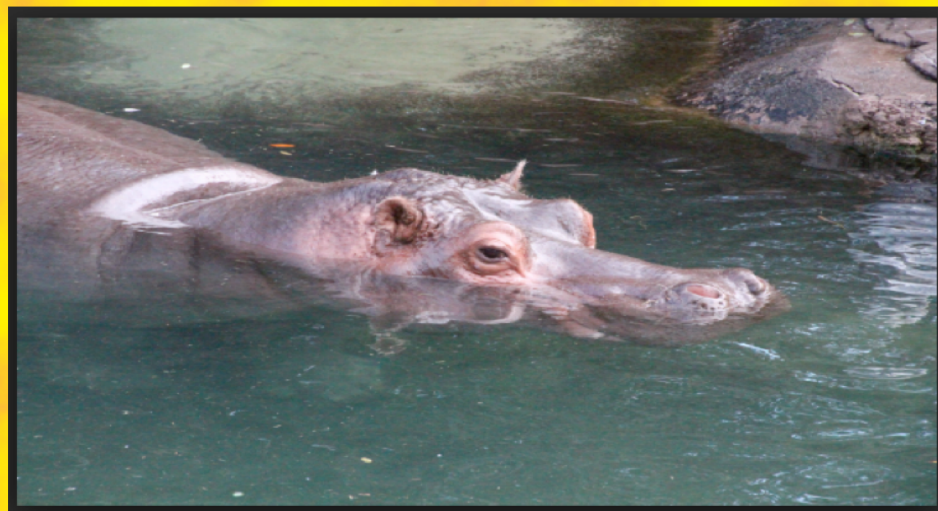
Hadar Hippo lives in this beautiful lagoon. The lagoon is perfect for Hadar, because there is plenty of aquatic grasses, and reeds for him to eat. Hadar's mouth is so big that he can get 432 grams of vegetation in every 4-bites of food. How many grams of of grasses and reeds does Hadar eat per bite?

### On Your Own

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# Leonardo Lizard

## Book 1

## Challenge – 10

Meet Leonardo. He is a lizard living in the desert of Arizona. Leonardo likes to bath in the sun until his entire body is good and warm. Then he races across the sandstone rocks. His goal is to race across 678 rocks in just 7 hours. How many rocks must Leonardo the Lizard run across each hour?

### 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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# DRILL & KILL

HERE IS WHERE WE DRILL UNTIL WE KILL ALL OUR 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

## Any Mistakes

1. Complete the 4-problems below.
2. Watch this Video by clicking on the cloud.
  - a) Keep your paper with you while you watch the video.
  - b) If you made a mistake, pause the video and fix your mistake.
  - c) That's the fastest way to learn!

PROBLEM 1

$$389 \div 7 =$$

PROBLEM 2

$$486 \div 6 =$$

PROBLEM 3

$$947 \div 8 =$$

PROBLEM 4

$$762 \div 9 =$$

**CLICK HERE  
TO VIEW THIS VIDEO**

## Drill &amp; Kill

## Any Mistakes

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  - b) If you made a mistake, pause the video and fix your mistake.
  - c) That's the fastest way to learn!

PROBLEM 1                       $555 \div 6 =$

PROBLEM 2                       $379 \div 8 =$

PROBLEM 3                       $963 \div 4 =$

PROBLEM 4                       $721 \div 3 =$

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# Drill & Kill

## Any Mistakes

1. Complete the 4-problems below.
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  - b) If you made a mistake, pause the video and fix your mistake.
  - c) That's the fastest way to learn!

PROBLEM 1                       $594 \div 4 =$

PROBLEM 2                       $389 \div 8 =$

PROBLEM 3                       $752 \div 7 =$

PROBLEM 4                       $988 \div 6 =$

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# Drill & Kill

## Any Mistakes

1. Complete the 4-problems below.
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  - a) Keep your paper with you while you watch the video.
  - b) If you made a mistake, pause the video and fix your mistake.
  - c) That's the fastest way to learn!

PROBLEM 1

$492 \div 9 =$

PROBLEM 2

$659 \div 8 =$

PROBLEM 3

$898 \div 3 =$

PROBLEM 4

$976 \div 4 =$

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