

Area Division

Book 5



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Book 5

☐ FOUR DIGITS DIVIDED BY THREE

➤ $239,145 \div 321 = 745$

☐ DESIGNED SO THAT ANYONE CAN
SUCCEED AT LONG DIVISION!

☐ FUN ANIMALS WORD PROBLEMS.



$$\begin{array}{r} 745 \\ 5 \overline{) 3745} \\ \underline{35} \\ 24 \\ 40 \\ \underline{40} \\ 00 \\ 00 \\ \underline{00} \\ 0 \end{array}$$

$$\begin{array}{r} 239145 \\ 321 \overline{) 239145} \\ \underline{224} \\ 144 \\ \underline{128} \\ 160 \\ \underline{160} \\ 0 \end{array}$$



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FUN WORD PROBLEMS
DESIGNED SO THAT ANYONE CAN SUCCEED!

Area Division Challenge 1

Mission to the Moon!

You recently joined the **Junior NASA Club of America**. As a member, you get to board a **rocket ship** and fly to the **moon!** 🌕 ✨ You will land on the moon and stay there for **24 hours** before returning home. The moon is **239,145 miles** from Earth, and your rocket ship flies at **321 miles per hour**.

? How long will it take you to reach the moon?

▶ Play the video by clicking on the photo of  Mission to the Moon

👁️📺 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 parent or teacher.



Area Division

Challenge 2

🎂 Sugar Spill Disaster!

It's your **mom's birthday**, so you decide to bake her a **cake!** 🎉 You grab the **sugar** but—oh no!—the bag rips, spilling **56,566 granules** of sugar all over the kitchen floor. 🧹 If each **scoop of the dustpan** picks up **768 granules...**

? How many scoops will you need to clean up the mess?

📝💡 WORK WITH ME

▶ **Play the video** by clicking on the photo of the 🎂 **Sugar Spill Disaster.**

⏸ **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.



Area Division

Challenge 3

The Great Ant Eater Escape!

The **largest ant colony** in the U.S. is in **California**, running **560 miles** along the coast.  Now imagine **246 Australian Anteaters** escape from the **zoo** and start **devouring ants** as fast as they can. Before being caught, they eat **44,034 ants**!

? If they all eat the same amount, how many ants did each ant eater consume?

◆ On Your Own Challenge! ◆

 Complete this problems first  

 Then,  Click on  The Great Ant Eater's photo to watch the video and check your answer!  



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Challenge 4

🦇 Bats vs. Mosquitoes!

You live on **Silver Lake**, where swimming is amazing! But there's a problem—**327,294 mosquitoes** attack you whenever you go outside. 😱
Luckily, **342 bats** live nearby and **love** to eat mosquitoes. 🦇

? If each bat eats the same amount, how many mosquitoes must each bat eat to clear the skies?

◆ On Your Own Challenge! ◆

✅ Complete this problems first 🖋️ 📄




▶ Then, 👉 Click on 🦇 Bats vs. Mosquitoes' photo to watch the video and check your answer! 🎥 🐾



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Challenge 5

Meerkat Scorpion Defense!

Your home is **under attack!**  **244,942 scorpions** are racing down the hill toward your house. But you're prepared—you raise **147 meerkats**, and scorpions are their **favorite snack!**  

? How many scorpions must each meerkat eat to protect your home?

◆ On Your Own Challenge! ◆

 Complete this problems first  



 Then,  Click on the  Meerkat's photo to watch the video and check your answer!  



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Challenge 6






Burgess the Brilliant Buck!

Meet **Burgess Buck**, aka **Burgess the Brilliant!**   He has a **huge rack of antlers**, making him the envy of **other bucks** and **hunters** alike. But Burgess is **too smart**—he's **outwitted 72,349 hunters** over the past **237 days**.

 **How many hunters has Burgess tricked per day?**

◆ **On Your Own Challenge!** ◆

 **Complete this problems first**  



 Then,  **Click on**  **Burgess the Brilliant Buck's photo to watch the video and check your answer!**  



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Challenge 7

Marcella the Monarch's Windy Day!

Daniella found a **monarch butterfly** on her **front porch** and named her **Marcella**.   On a **windy day**, Marcella must flap her wings **21,286 times** in **186 seconds** just to stay airborne!

 **How many times does Marcella flap her wings per second?**

◆ **On Your Own Challenge!** ◆

 **Complete this problems first**  


 Then,  **Click on**  **Marcella the Monarch's photo to watch the video and check your answer!**  



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Challenge 8

Salina the Singing Giraffe!

Meet **Salina the Singing Giraffe!** 🎵  While **other giraffes** eat, Salina **sings**—and her voice is so **beautiful** that **lions stop hunting** just to listen! Over **792 hours**, Salina has saved **84,593 animals** from being chased by lions.

❓ **How many animals per hour did Salina save?**

◆ **On Your Own Challenge!** ◆

✅ **Complete this problems first**  

▶ Then,  **Click on**  **Salina the Singing Giraffe's photo** to watch the video and check your answer!  



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Challenge 9

🦅 **Danika the Dancing Vulture!**

Meet **Danika the Dancing Vulture!** 🧑🦅 Her favorite song is "The Hokey Pokey", and she **dances** like crazy! Over the past **465 hours**, Danika has shaken her **feet, wings, head, and tail feathers 36,851 times**.

❓ **On average, how many times per hour did Danika dance?**

◆ **On Your Own Challenge!** ◆

✅ **Complete this problems first** 🖋️ 📄

▶️ **Then, 👉 Click on 🦅 Danika the Dancing Vulture's photo to watch the video and check your answer!** 🎥 🐾



Area Division

Challenge 10

🌳 The Lone Tree's Growth!

Take a look at this **lonely tree** 🌳 standing tall on a ridge. Over the past **364 days**, it has worked hard **soaking in the sun** and growing **93,734 leaves**. ☀️ 💧

❓ If it produced the same amount of leaves each day, how many leaves did it grow per day?

◆ On Your Own Challenge! ◆

✅ Complete this problems first 📝

▶ Then, 👉 Click on 🐸 Creek's photo to watch the video and check your answer! 🎥 🐾





DRILL & KILL






HERE IS WHERE WE **DRILL** UNTIL WE **KILL**
ALL OUR MISTAKES!



The following problems can all be solved using the same **strategies** we used in 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 correct, your parent or teacher might tell you that you're ready to move to the next book in this series! 



Drill & Kill!



Challenge 11

PROBLEM 1 $93,189 \div 678 =$

PROBLEM 2 $74,286 \div 646 =$

PROBLEM 3 $37,947 \div 568 =$

PROBLEM 4 $12,762 \div 439 =$



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◆ On Your Own Challenge! ◆

✓ Complete these problems first

▶ Then, Click on the **TeachersDungeon Logo** to watch the video and check your answer!



Drill & Kill!



Challenge 12

PROBLEM 1 $53,455 \div 642 =$

PROBLEM 2 $37,879 \div 837 =$

PROBLEM 3 $83,963 \div 473 =$

PROBLEM 4 $21,721 \div 361 =$



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◆ On Your Own Challenge! ◆

✓ Complete these problems first  

▶ Then, Click on the [TeachersDungeon Logo](https://www.teachersdungeon.com) to watch the video and check your answer!  



Drill & Kill!



Challenge 13

PROBLEM 1 $33,594 \div 469 =$

PROBLEM 2 $44,389 \div 378 =$

PROBLEM 3 $66,752 \div 707 =$

PROBLEM 4 $22,988 \div 256 =$



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◆ On Your Own Challenge! ◆

✓ Complete these problems first  

▶ Then, Click on the **TeachersDungeon Logo** to watch the video and check your answer!  





Drill & Kill!



Challenge 14

<u>PROBLEM 1</u>	$94,992 \div 809 =$
<u>PROBLEM 2</u>	$76,009 \div 879 =$
<u>PROBLEM 3</u>	$58,098 \div 368 =$
<u>PROBLEM 4</u>	$49,176 \div 764 =$



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◆ On Your Own Challenge! ◆

✓ Complete these problems first

▶ Then, Click on the [TeachersDungeon Logo](https://www.teachersdungeon.com) to watch the video and check your answer!