

AREA DIVISION

COMMON
CORE
ALIGNED

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.



$$\begin{array}{r} 745 \\ 5 \end{array}$$

$$40$$

$$700$$

321	239 145
	- 224700
	14445
	- 12840
	1605
	- 1605
	0

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.

Flying to the Moon

Book 5

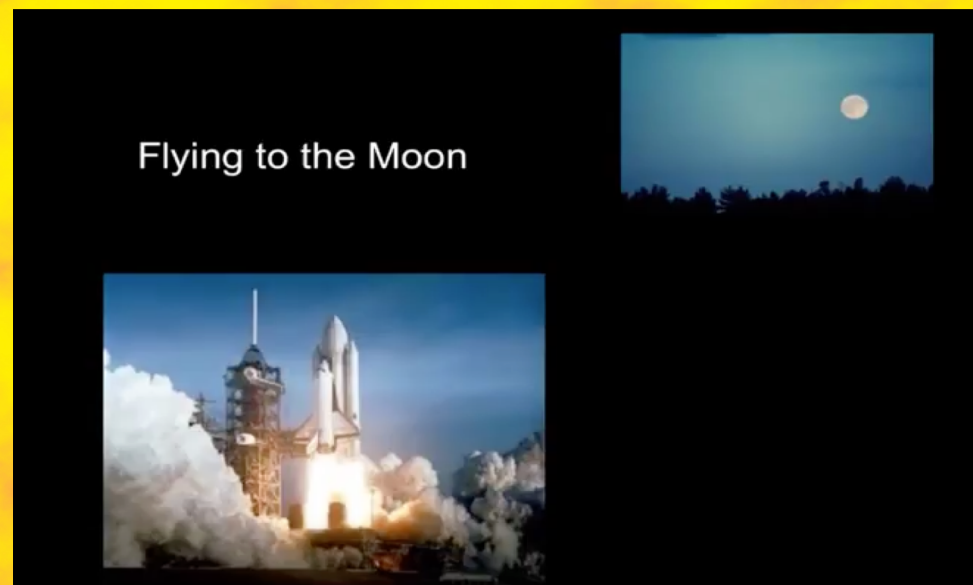
Challenge – I

You recently joined the Junior NASA Club of America. As a member of the club, you get to board a rocket ship and fly to the moon. You will land on the moon and stay there for 24 hours. Then you will return home. The moon is 239,145 miles from Earth. Your rocket ship will fly 321 miles per hour. How long will it take you to reach the moon?

[CLICK HERE
TO VIEW THIS VIDEO](#)

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.



Don't Cry Over Spilt Sugar

Book 5

Challenge – 2

It's your mother's birthday, so you decide to bake her a cake. You reach for the sugar and carry it from the pantry towards the counter. Unfortunately, the bag rips. Sugar spills all over the floor. There are 56,566 granules of sugar on your kitchen floor. You begin to sweep the sugar up with a broom and dust pan. If each scoop of the dust pan picks up 768 granules of sugar, how many scoops will you need to complete before you have it all picked up?

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](#)

Don't Cry Over Spilt Sugar



Australian Ant Eaters

Book 5

Challenge – 3

The largest ant colony in the US is in California. This one ant colony runs for 560 miles along the coast. What if 246 Australian Ant Eaters escaped from the zoo and started eating as fast as they could? What if they ate a total of 44,034 ants before they were caught and returned to the zoo? If they all eat the same amount of ants, how many ants would each ant eater have eaten?

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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Mosquitoes on Silver Lake

Book 5

Challenge – 4

You live on Silver Lake. It's beautiful, and you love swimming in the cool waters on hot days. Unfortunately, there are 327,294 mosquitoes that fly around your lake and attack you when you're trying to swim. Luckily the bats come out at night. There are 342 bats that live near Silver Lake. If each bat ate the same amount of mosquitoes, how many mosquitoes must each bat eat in order for your lake home to be free of the blood sucking insects?

On Your Own

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

Book 5

Challenge – 5

Your home is under attack. There are 244,942 scorpions racing down the hill toward your home. Luckily, you raise meerkats, which eat scorpions. As a matter of fact, scorpions are like a big old chocolate cake to meerkat. They think scorpions are tasty. You have 147 meerkats at your home. You let all your meerkats go in your yard to protect you from the scorpions. How many scorpions must each meerkat eat in order to save your home from this scorpion attack?

On Your Own

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



Burgess the Brilliant

Book 5 Challenge – 6

Burgess Buck, or Burgess the Brilliant to all his friends. Burgess has a beautiful rack upon his head. It is the envy of all the over bucks. Unfortunately, it is also the envy of all hunters from Maine to Miami. During hunting season, Burgess uses his brilliance to crawl under tree-limbs, leap over bushes, or just sit still. He has foiled hunters' attempts to win his rack. As a matter of fact, Burgess has outwitted 72,349 hunters over the past 237 days. How many hunters has Burgess outwitted per day?

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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Marcella the Monarch

Book 5 Challenge – 7

Daniella found this monarch butterfly on her front porch. She named it Marcella the Monarch. When trying to stay airborne during a windy day, Marcella must flap her wings 21,286 time every 186 second. How many time does Marcella flap her wings per second on a windy day?

On Your Own

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

Book 5 Challenge – 8

Meet Salina the singing giraffe. While other giraffes eat, Salina sings. She hits high notes. She hits low notes. Salina sings so well that lions stop hunting, lay down, and listen whenever Salina sings.

Over the past 792 hours, Salina has saved 84,593 animals from being chased by lions. That's right, 84,593 animals were able to eat in peace, because of Salina's soothing songs. If Salina's singing saved the same amount of animals each hour, how many animals per hour did Salina save from getting chased by lions?

On Your Own

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Danika the Dancing Vulture

Book 5 Challenge – 9

Meet Danika the Dancing Vulture. Her favorite song to dance to is, “You put your right foot in. You put your right foot out. You put your right foot in and you shake it all about...”

Danika has shook her feet, her wings, her head, and her tail feathers 36,851 times over the past 465 hours. On average, about how many times per hour did Danika the Dancing Vulture shake her feet, wings, head, and tail feathers?

On Your Own

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

Book 5

Challenge – 10

Take a look at this lonely tree. It is the only tree on this ridge. It has been stretching, soaking in the sun's rays, and growing leaves for the past year. It produced 93,734 leaves in the last 364 days. If it produced the same amount of leaves each day, how many leaves did this tree grow per day?

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!

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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 $93,189 \div 678 =$

PROBLEM 2 $74,286 \div 646 =$

PROBLEM 3 $37,947 \div 568 =$

PROBLEM 4 $12,762 \div 439 =$

**CLICK HERE
TO VIEW THIS VIDEO**

Drill & 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 $53,455 \div 642 =$

PROBLEM 2 $37,879 \div 837 =$

PROBLEM 3 $83,963 \div 473 =$

PROBLEM 4 $21,721 \div 361 =$

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Drill & 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 $33,594 \div 469 =$

PROBLEM 2 $44,389 \div 378 =$

PROBLEM 3 $66,752 \div 707 =$

PROBLEM 4 $22,988 \div 256 =$

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TO VIEW THIS VIDEO**

Drill & 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 $94,992 \div 809 =$

PROBLEM 2 $76,009 \div 879 =$

PROBLEM 3 $58,098 \div 368 =$

PROBLEM 4 $49,176 \div 764 =$

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