

AREA DIVISION

COMMON
CORE
ALIGNED

BOOK 7

$$\begin{array}{r} 55.2 \times 10 = 552 \\ 0.8 \times 10 = 8 \end{array}$$

- DIVIDING A DECIMAL BY A DECIMAL
 - $552 \div 0.8 = 69$
- DESIGNED SO THAT ANYONE CAN SUCCEED AT LONG DIVISION!
- FUN ANIMALS WORD PROBLEMS.



$$\begin{array}{r} 69. \\ \underline{9.} \\ 60. \end{array}$$

$$\begin{array}{r} 0.8 \quad \boxed{\begin{array}{r} 552. \\ - 480. \\ \hline 72. \end{array}} \\ \boxed{\begin{array}{r} 72. \\ - 72. \\ \hline 0 \end{array}} \end{array}$$

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.

Skunk Juice

Book 7

Challenge – I

Sulky the Skunk has been chased by more dogs than any other skunk in the entire world. Sulky is a sweet little fella, but when chased, he does spray, and the dogs do cry! Whenever Sulky tries to eat some tasty garbage he is chased by a dog. Sulky sprays 0.8 ounces of skunk juice each time he is chased. In the past week, Sulky sprayed 55.2 ounces of skunk juice. How many dogs did Sulky spray?

Hint: How many 0.8 ounces are in 55.2 ounces, or $55.2 \div 0.8 = n$?

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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.



Surfer King

Book 7

Challenge – 2

You are the king of surfing. You surf the big waves, and you love the challenge. Last year, you surfed a total of 17.1 miles. You need to go from where the wave first starts to break all the way to the beach in order to count your ride as a Surf Run. Each Surf Ride is 0.6 of a mile. How many Surf Runs did you have last year?

Hint: how many 0.6 miles are in 17.1 miles, or $17.1 \div 0.6 = n$.

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TO VIEW THIS VIDEO**

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.



Waterfall Hike

Book 7

Challenge – 3

You love hiking. You came across majestic view on one of your hikes. The waterfall is 28.8 miles from the trail head where your parents parked. You walked 0.8 miles every hour. How many hours did it take you to get to the falls?

Hint: How many 0.8's are in 28.8, or $28.8 \div 0.8$?

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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Chicken Coop

Book 7

Challenge – 4

You were just given two baby chicks. Now, you need a chicken coop to keep them safe from raccoons and the fox that roams around your home. You have a piece of wood that is 8.25 feet in length. You need to cut the wood into 0.75 foot pieces. How many 0.75 foot pieces can you cut?

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On Your Own

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Loretta Lizard's Blanket

Book 7 Challenge – 5

You have a new pet lizard named Loretta. She is adorable, but she gets cold at night, so you made her this blanket. The blanket used 2.25 yards of fabric, and it cost \$31.50. How much did you pay per yard for the fabric?

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On Your Own

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Roof Repair

Book 7

Challenge – 6

You are helping your dad repair your roof. He sends you to the store for a box of nails. The box contains 53 pounds of nails. It costs \$16.96. Another box has 1-pound of nails, and it cost \$3.55. Which is the better buy per pound?

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On Your Own

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Life as a Lifeguard

Book 7 Challenge – 7

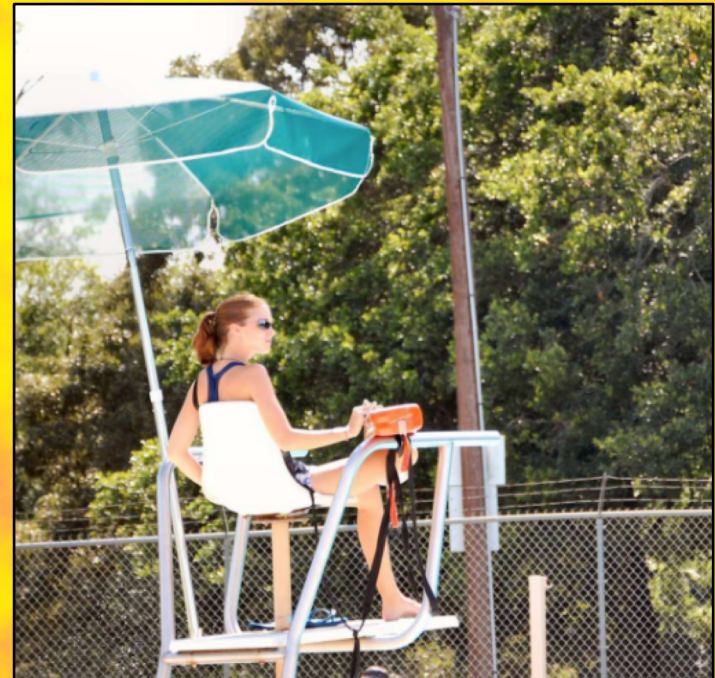
Your sister is a lifeguard at the local pool. It looks like the perfect job, because she gets to sit in the sun, hop in the cool water, and yell at kids – what could be better than that? Your sister worked for 6.8 hours last week and made \$88.40. How much did your sister make per hour?

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On Your Own

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Meet Duke. He is a Shar Pei, and he is feeling a bit blue. The vet prescribed a bottle of medicine, which contains that 19.25 ounces of a cure for Duke. If each dose that you give to Duke is 1.75 ounces, how many doses are in the bottle?

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On Your Own

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Henrietta Hawk

Book 7

Challenge – 9

Henrietta Hawk flew 15.52 kilometers in search of food. She finally found a tasty snake and had dinner. If there are 1.6 kilometers in a mile, how many miles did Henrietta Hawk have to fly in order to eat?

Hint: how many 1.6 kilometers are in 15.52 kilometers,
or $15.52 \div 1.6 = n$.

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On Your Own

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Billy Blue Bird

Book 7

Challenge – 10

Meet Billy Blue Bird. He is a proud bird and says that from talon to tail feather, he stands over 4 inches tall. When he was measured, he stood 8.89 centimeters tall. There are 2.54 centimeters in an inch. Does Billy Blue Bird stand taller than 4 inches high? Exactly how tall is Billy Blue Bird when measured in inches?

Hint: how many 2.54 centimeters are in 8.89 centimeters, or $8.89 \div 2.54$.

On Your Own

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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 $116.25 \div 3.75 =$

PROBLEM 2 $158.4 \div 4.8 =$

PROBLEM 3 $72.96 \div 0.76 =$

PROBLEM 4 $35.04 \div 4.8 =$

**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 $30.15 \div 6.7 =$

PROBLEM 2 $3.293 \div 0.89 =$

PROBLEM 3 $2.584 \div 0.38 =$

PROBLEM 4 $17.75 \div 2.5 =$

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Drill & Kill

Any Mistakes

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 - c) That's the fastest way to learn!

PROBLEM 1 $2.288 \div 8.8 =$

PROBLEM 2 $3933 \div 6.9 =$

PROBLEM 3 $1.786 \div 0.47 =$

PROBLEM 4 $2.691 \div 0.39 =$

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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 $4.717 \div 0.89 =$

PROBLEM 2 $3.663 \div 4.07 =$

PROBLEM 3 $24.18 \div 7.8 =$

PROBLEM 4 $2.535 \div 3.9 =$

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