Area Division

Book 7

$$55.2 \times 10 = 552$$
$$0.8 \times 10 = 8$$

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- ❏ Dividing a Decimal by a Decimal
  - ➤ 552 ÷ 0.8 = 69
- ❏ Designed so that anyone can succeed at long division!
- ❏ Fun animals word problems.

69.
9.
60.

0.8

552.
- 480.

72.
- 72.

0

FUN WORD PROBLEMS
DESIGNED SO THAT ANYONE CAN SUCCEED!

Area Division
Challenge 1

🦨 **Sulky the Skunk's Stinky Sprays!**

Sulky the Skunk has been chased by **more dogs than any other skunk** in the world! 🐶💨 Sulky is a **sweet little fella**, but when chased, he **sprays**, and the dogs **cry!** 😭💨

Whenever Sulky tries to eat some **tasty garbage**, he gets chased. Each time, he sprays **0.8 ounces of skunk juice**. Last week, Sulky sprayed a total of **55.2 ounces**!

❓ **How many dogs did Sulky spray?**

💡 **Hint:** $55.2 \div 0.8 = n$

▶️ **Play the video** by clicking on the photo of 🦨 **Sulky the Skunk.**
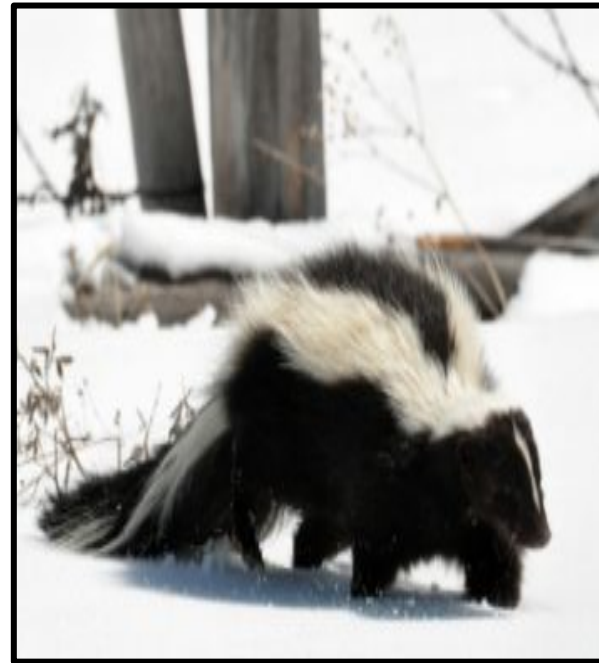👀📺 **WATCH ME**

✅ 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

🌊 **Surf King's Big Wave Challenge!**

You are the **king of surfing**! 🏄🌊 You love the **thrill** of riding **big waves**. Last year, you surfed a total of **17.1 miles**.

To count a ride as a **Surf Run**, you must go from where the wave starts breaking **all the way to the beach**. Each Surf Run is **0.6 miles** long.

❓ **How many Surf Runs did you complete last year?**

💡 **Hint:** $17.1 \div 0.6 = n$

📝💡 **WORK WITH ME**
▶️ **Play the video** by clicking on the photo of 🌊 **Surf King.**
⏸️ **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 Majestic Waterfall Hike!**

You **love hiking**! 🏔️ ⛺ On one of your adventures, you came across a **majestic waterfall** that was **28.8 miles** from the trailhead where your parents parked. 🚙

You walked **0.8 miles per hour** to reach it.

❓ **How many hours did it take you to get to the waterfall?**

💡 **Hint:** $28.8 \div 0.8 = n$

🔹 **On Your Own Challenge!** 🔹

✅ **Complete this problems first** ✏️ 📄
▶️ Then, 👆 **Click on** 🥾 **The Majestic Waterfall Hike's photo to watch the video and check your answer!** 🎥 🐾

Area Division
Challenge 4

🐣 **Building a Home for Your Baby Chicks!**

You were just given **two baby chicks**! 🐤🐤 Now, you need to build a **chicken coop** to keep them **safe** from raccoons and the **sneaky fox** 🦊 lurking around your home.

You have a **wooden board** that is **8.25 feet long**, and you need to cut it into pieces that are **0.75 feet each**.

❓ **How many 0.75-foot pieces can you cut?**

🔹 **On Your Own Challenge!** 🔹

✅ **Complete this problems first** ✏️ 📄
▶️ Then, 👆 **Click on** 🐣 **the Baby Chicks' photo to watch the video and check your answer!** 🎥 🐾

Area Division
Challenge 5

🦎 **Loretta the Lizard's Cozy Blanket!**

Your new pet **lizard**, Loretta, is **adorable**! 🦎💚 But at night, she **gets cold**, so you made her a **blanket**.

The blanket required **2.25 yards of fabric**, which cost **$31.50** in total.

❓ **How much did you pay per yard for the fabric?**

💡 **Hint:** Cost per yard = 31.50 ÷ 2.25

🔹 **On Your Own Challenge!** 🔹

✅ **Complete this problems first** ✏️📄
▶️ Then, 👆 **Click on the** 🦎 **Loretta the Lizard's photo to watch the video and check your answer!** 🎥🐾
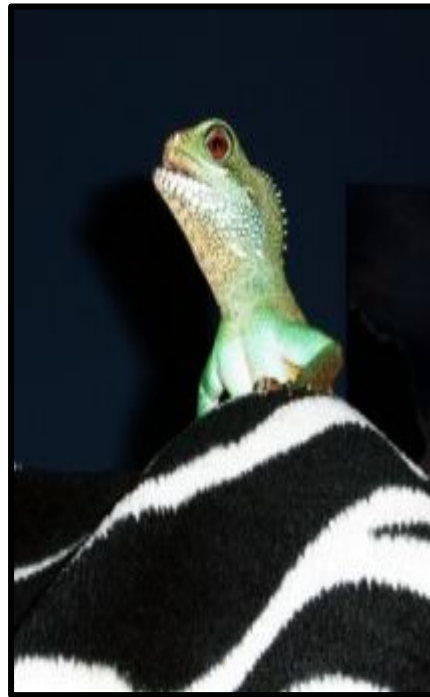
🔨 **Which Box of Nails is the Better Buy?**

You're helping your **dad repair the roof**, and he sends you to buy a **box of nails**. 🏡🛠️

There are two options:

📦 **Box 1**: **5.3 pounds** of nails for **$16.96**
📦 **Box 2**: **1 pound** of nails for **$3.55**

❓ **Which box is the better deal per pound?**

💡 **Hint:** Compare the cost per pound:

- Box 1: 16.96 ÷ 5.3
- Box 2: 3.55 ÷ 1

🔹 **On Your Own Challenge!** 🔹

✅ **Complete this problems first** ✏️📄
▶️ Then, 👆 **Click on** 🔨 **roof repair photo to watch the video and check your answer!** 🎥🐾

Area Division
Challenge 7

🏊 **Lifeguard Paycheck Mystery!**

Your **sister is a lifeguard** at the local pool. 🏖️☀️ She gets to **sit in the sun, hop in the cool water, and yell at kids**—what could be better than that? 😆

Last week, she worked **6.8 hours** and earned **$88.40**.

❓ **How much did she make per hour?**

💡 **Hint:** 88.40 ÷ 6.8 = n

◆ **On Your Own Challenge!** ◆

✅ **Complete this problems first** ✏️📄
▶️ Then, 👆 **Click on the** 🏊 **Lifeguard's photo to watch the video and check your answer!** 🎥🐾
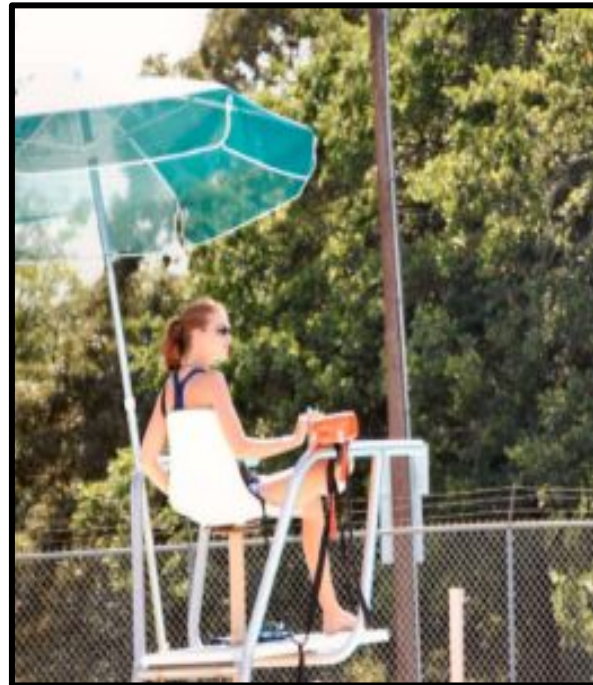
Area Division
Challenge 8

🐶 **Duke the Shar Pei's Medicine!**

Meet **Duke**, the **Shar Pei**! 🐕 💙 He's feeling a little under the weather, so the vet prescribed him a **bottle of medicine** that contains **19.25 ounces**.

Each dose is **1.75 ounces**.

❓ **How many doses are in the bottle?**

💡 **Hint:** $19.25 \div 1.75 = n$

🔹 **On Your Own Challenge!** 🔹

✅ **Complete this problems first** ✏️ 📄
▶️ Then, 👆 **Click on** 🐶 **Duke's photo to watch the video and check your answer!** 🎥 🐾

🦅 **Henrietta Hawk's Flight for Food!**

Henrietta Hawk **flew 15.52 kilometers** in search of food. 🦅✨ She finally found a **tasty snake** for dinner. 🐍

There are **1.6 kilometers in a mile**.

❓ **How many miles did Henrietta Hawk fly?**

💡 **Hint:** $15.52 \div 1.6 = n$

🔹 **On Your Own Challenge!** 🔹

✅ **Complete this problems first** ✏️ 📄
▶️ Then, 👆 **Click on** 🦅 **Henrietta Hawk's photo to watch the video and check your answer!** 🎥 🐾

Area Division
Challenge 10

🐦 **Billy Blue Bird's True Height!**

Meet **Billy Blue Bird**! 🐦💙 He **claims** that he stands **over 4 inches tall** from **talon to tail feather**. But when measured, he was **8.89 centimeters** tall.

Since **1 inch = 2.54 centimeters**, we need to convert his height to inches.

❓ **Does Billy Blue Bird actually stand taller than 4 inches? Exactly how tall is he in inches?**

💡 **Hint:** 8.89 ÷ 2.54 = n

🔹 **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**

<u>ALL OUR MISTAKES!</u>

🧠   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**

📚 Drill & Kill! 🧠✨

Challenge 11

PROBLEM 1	$116.25 \div 3.75 =$
PROBLEM 2	$158.4 \div 4.8 =$
PROBLEM 3	$72.96 \div 0.76 =$
PROBLEM 4	$35.04 \div 4.8 =$

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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	$30.15 \div 6.7 =$
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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🔹 **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 13

PROBLEM 1	$2.288 \div 8.8 =$
PROBLEM 2	$393.3 \div 6.9 =$
PROBLEM 3	$1.786 \div 0.47 =$
PROBLEM 4	$2.691 \div 0.39 =$

◆ **On Your Own Challenge!** ◆

✅ **Complete these problems first** ✏️ 📄
▶️ Then, **Click on the TeachersDungeon Logo** to watch the video and check your answer! 🎥 🐾

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📚 Drill & Kill! 🧠 ✨

Challenge 14

<u>**Problem 1**</u>	$4.717 \div 0.89 =$
<u>**Problem 2**</u>	$3.663 \div 4.07 =$
<u>**Problem 3**</u>	$24.18 \div 7.8 =$
<u>**Problem 4**</u>	$2.535 \div 3.9 =$

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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! 🎥🐾