

# Area Multiplication

## Book 1



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$$\begin{array}{r} 86 \times 97 \\ \hline \begin{array}{|l|l|} \hline 6 & 582 \\ \hline 80 & + 7760 \\ \hline \end{array} \\ \hline 8342 \end{array}$$







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FUN WORD PROBLEMS  
DESIGNED SO THAT ANYONE CAN SUCCEED!



# Area Multiplication

## Challenge 1

### **Ernie the Photo-Hungry Emu**

Ernie the Emu loves having his photo taken!  As a matter of fact, Ernie gets his photo taken more than any other animal on the African Savanna.  He sticks his face in front of anyone he sees with a smartphone  or a camera . Ernie is **86 days old**. He has had his photo taken **97 times** every day of his life.

 **How many photos have been taken of Ernie the Photo-Hungry Emu?**

 **Play the video** by clicking on the photo of  **Ernie the Photo-Hungry Emu.**

### **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.



Photo by Richard Dudley



# Area Multiplication Challenge 2

## **Pinky Tuskadaro the Calculating Orangutan**


Meet Pinky Tuskadaro the calculating orangutan!   Right now, Pinky is trying to figure out how many **bananas**  he has eaten in the past **48 days**. If he ate **39 bananas**  each day,

 **How many bananas has Pinky eaten?**

## **WORK WITH ME**

 **Play the video** by clicking on the photo of  **Pinky Tuskadaro**.

 **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.



Photo by Cliff Howard

# Area Multiplication Challenge 3

## **Wrong Way John the Wandering Giraffe**

Wrong Way John is a wandering giraffe  who always gets stuck in the brambles!   He traveled **36 miles** a day for the past **27 days** and got stuck **113 times**.

 **How far did Wrong Way John travel in the past 27 days?**

◆ **On Your Own Challenge!** ◆

 **Complete this problems first**  




 Then,  **Click on**  **Wrong Way John's photo to watch the video and check your answer!**  



Photo by Nino Satria

# Area Multiplication Challenge 4

## **Moni Monarch the Hardworking Butterfly**

Moni Monarch is a hardworking butterfly . She flies from flower to flower  sucking up the sweet, sweet nectar . Once she lands on a flower, she slowly beats her wings **94 times** before she can suck all the nectar through her long tongue. If Moni Monarch gets nectar from **64 flowers**,

 **How many times must she flap her wings to get all the sweet nectar?**

◆ **On Your Own Challenge!** ◆

 **Complete this problems first**  

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





Photo by Margan Zajdowicz



# Area Multiplication Challenge 5

## Oscar the Hide & Seek Orangutan

Oscar Orangutan  is the **best** at hide & seek!  Every single day, he plays hide & seek and has hidden **38 times per day** for the past **76 days**. Every time, he hid in a different spot.

 **How many different places has Oscar the Hide & Seek Orangutan hidden?**

◆ **On Your Own Challenge!** ◆

 **Complete this problems first** 









 Then,  **Click on**  **Oscar the Hide & Seek Orangutan's photo to watch the video and check your answer!** 



Photo by Dan Edwards

# Area Multiplication Challenge 6

## **Daisy the Ditzzy Giraffe**

Daisy the Ditzzy giraffe  is afraid of her own height!  When she stands up straight, her head is **12 feet** from the ground. Her biggest fear is toppling over and wrecking her **beautiful giraffe-face** . When she gets dizzy, Daisy lays down and kisses the Earth  **43 times** to thank Mother Earth for keeping her safe. Last month, Daisy got dizzy **57 times**.

 **How many times has Daisy the Ditzzy Giraffe kissed the Earth in the last month?**

◆ **On Your Own Challenge!** ◆

 **Complete this problems first**  




 Then,  **Click on**  **Daisy the Ditzzy Giraffe's** photo to watch the video and check your answer!  



Photo by Anthony Thomas

# Area Multiplication Challenge 7

## The Mathematical Meerkats Help NASA

Meet the **Mathematical Meerkats!**  They are constantly solving math problems. Last year, **NASA**  called on them **88 times** to help discover the distance between solar systems in our galaxy.  Each time they helped NASA, the meerkats worked for **49 hours straight** to solve the problem.

 **How many hours did the Mathematical Meerkats spend helping NASA last year?**

◆ **On Your Own Challenge!** ◆

 **Complete this problems first** 

 Then,  **Click on**  **The Mathematical Meerkats' photo to watch the video and check your answer!** 





Photo by Shane Atken



# Area Multiplication Challenge 8

## **Ferlon the High-Fiving Tortoise**

Ferlon the High-Fiving Tortoise  loves strolling through his neighborhood and giving **high-fives**  to his friends. Every day, he gives **99 high-fives** to **each** of his **63 neighbors**.

 **How many high-fives does Ferlon give each day?**

◆ **On Your Own Challenge!** ◆

 **Complete this problems first** 








 Then,  **Click on**  **Ferlon the High-Fiving Tortoise's photo to watch the video and check your answer!** 



Photo by Gerla Brakkee

# Area Multiplication Challenge 9

  **Peter Piper the Pretty Praying Mantis**

Peter Piper the Pretty **Praying Mantis**  wants to rid the world of mosquitoes!    
At every meal, Peter Piper eats **67 mosquitoes**. And Peter Piper is a **hungry praying mantis**. 😊 He has **73 meals** each day.

👉 **How many mosquitoes does Peter Piper the Pretty Praying Mantis eat each day?**

◆ **On Your Own Challenge!** ◆

✅ **Complete this problems first**  




▶ Then, 👉 **Click on  Peter Piper the Pretty Praying Mantis' photo to watch the video and check your answer!**  



Photo by Celso Pinto

# Area Multiplication Challenge 10

## Alan Open-Mouth the Swimming Champion

Allan Open-Mouth is a swimmer  . He **loves** swimming back and forth across his lagoon.  Each day, he completes **74 lagoon laps**.

 \*\*How many lagoon laps will Allan Open-Mouth complete in the next **35 days**?

◆ On Your Own Challenge! ◆

 Complete this problems first  

 Then,  Click on  Alan Open-Mouth's photo to watch the video and check your answer!  



Photo by Elvis Santana



# More Math Challenges!



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! 



# More Math Challenges!



## Challenge 11



**Challenge A:**  $48 \times 76$



**Challenge B:**  $29 \times 87$



**Challenge C:**  $38 \times 42$



**Challenge D:**  $77 \times 63$



Keep up the great work! 😊



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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!  







# More Math Challenges!



## Challenge 12



**Challenge A:**  $92 \times 76$



**Challenge B:**  $67 \times 87$



**Challenge C:**  $33 \times 63$



**Challenge D:**  $81 \times 99$



Keep up the great work! 😊



TeachersDungeon.com

◆ On Your Own Challenge! ◆

✓ Complete these problems first  

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





# More Math Challenges!



## Challenge 13



**Challenge A:**  $92 \times 39$



**Challenge B:**  $67 \times 84$



**Challenge C:**  $83 \times 77$



**Challenge D:**  $81 \times 19$



Keep up the great work! 😊



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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!  





# More Math Challenges!



## Challenge 14



**Challenge A:**  $97 \times 82$



**Challenge B:**  $64 \times 38$



**Challenge C:**  $72 \times 53$



**Challenge D:**  $16 \times 49$



Keep up the great work! 😊



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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!  

