

Help students unlock story problems with the
Word Problems Mastery Series!

Bundle! Advanced Multiplication & Division Word Problem Workbook: Parts A, B, & C

This series includes:

- 120 daily word problems
- 3 answer keys
- A placement test





6. An average herd of elephants has about 7 elephants in it. There are 97 elephants at the watering hole. About how many herds are at the watering hole?

Draw a diagram:



Number sentence: _____

Answer: _____

Explain how you got your answer: _____



Designed for students needing extra support with word problems, the mastery series separates computational difficulty from word problem complexity.

Part A focuses on one-step problems with all four operations.





3. Male emperor penguins won't eat for two months while they watch their eggs. If I eat 3 meals a day for those two months (and the two months had 30 days each), how many more meals will I have eaten than the emperor penguin?

Draw a diagram:



Number sentence: _____

Answer: _____

Explain how you got your answer: _____



Part B focuses on one-step problems with all four operations and some conversions (like minutes to hours).



3. About 5,000 emperor penguins are in a colony. In the winter, they each take turns standing on the outside where it is cold. If 500 penguins stand on the outside for four hours, how long will it be before all the animals in the colony have had to stand on the outside?

Draw a diagram:



Number sentence: _____

Answer: _____

Explain how you got your answer: _____



Part C focuses on complex one-step, and some two-step, problems with all four operations.



33. To make one pound of honey, bees need to visit 2 million flowers. How many flowers would bees need to visit to make 3 pounds of honey?

Draw a diagram:



Number sentence: _____

Answer: _____

Explain how you got your answer: _____



Every word problem includes:

- Space for students to show their work
- A number sentence box
- An answer line long enough for them to write their answers as complete sentences



8. One cobra's bite has enough venom to kill 8 people. An evil villain wanted to try to kill 69 people with cobras. How many cobras does he need?

- Number sentence: $8x=69$. $69/8=8$ r5, 8 $5/8$... more than 8 so 9
- Answer: He needs nine cobras

9. A rabbit can run 35 mph. How far can the rabbit run in $\frac{1}{2}$ of an hour?

- Number sentence: A rabbit runs 35 in an hour, so we need half that—that's $35/2$ or $35 \times \frac{1}{2}$, which is 17.5 or $17 \frac{1}{2}$
- Answer: It can run $17 \frac{1}{2}$ miles in an hour

10. Monarch butterflies each make one round trip from the winter habitat, where they are born, to their summer habitat and back to the winter habitat where they have they lay eggs. The trip is 2,500 miles each way! How many miles would a child, parent, grand-parent, and great-grandparent butterfly have traveled if their trips were combined?

- Number sentence: So a round trip for a butterfly is $2,500+2,500$ or 5,000 miles... A child (5,000)+ a parent (5,000) + grandparent (5,000) + great grandparent (5,000)= $4 \times 5,000$ or 20,000; $(2,500 \times 2) \times 4 = 20,000$
- Answer: They would have traveled a total of 20,000 miles

11. There are about 100 shark attacks every year around the world. $\frac{1}{3}$ or so of these are from great white sharks—they don't like the way humans taste but sometimes they get humans and seals confused. How many great white shark attacks are there a year?

- Number sentence: $\frac{1}{3}$ of 100; $100/3$; $100 \times \frac{1}{3}$
- Answer: There are about 33 shark attacks a year

12. One great white shark can weigh up to 5,000 pounds. How much do 9 sharks weigh?

- Number sentence: $5,000 \times 9 = 45,000$
- Answer: Nine sharks weigh about 45,000 pounds

13. Great white sharks can swim 15 mph. How long would it take them to swim 45 miles?

- Number sentence: in one hour, they go 15 miles. $45=15x?$; $45/15=3$
- Answer: It would take them three hours to go 45 miles



Each easy-to-use answer key allows for fast scoring of student work...



1A. Jesus played soccer with Chris for 9 minutes. Then Jesus played soccer with Jayla for 9 more minutes. How long did Jesus play soccer for?



Number Sentence _____

Answer _____

1C. Mrs. Vanwinkle got nine crayfish. Three died. Then four more were born. How many does she have now?



Number Sentence _____

Answer _____



While the placement test, also available FREE, helps you know where to start a student in the mastery series!




Word Problem Strategy


This is a variation of Polya's UPSC strategy.



Understand the problem

 Read the problem.

Underline the question.

 Paraphrase the question.


What are you being asked to figure out?


How many steps do you need to do? One or more than one?



Make a plan

Circle the numbers that you need. ~~Cross out~~ the ones you don't

 Estimate an answer. Is your final answer going to be bigger or smaller than the numbers in the problem?

 Translate the words of the problem into a diagram or equation.



Do the math



Important Numbers



1 year = 365 days

1 month = 28/29, 30, or 31 days

1 week = 7 days

1 day = 24 hours

1 hour = 60 minutes

1 minute = 60 seconds



5,280 feet = 1 mile

3 feet = 1 yard

12 inches = 1 foot



In addition, each packet has a strategy reference sheet & a conversion table!