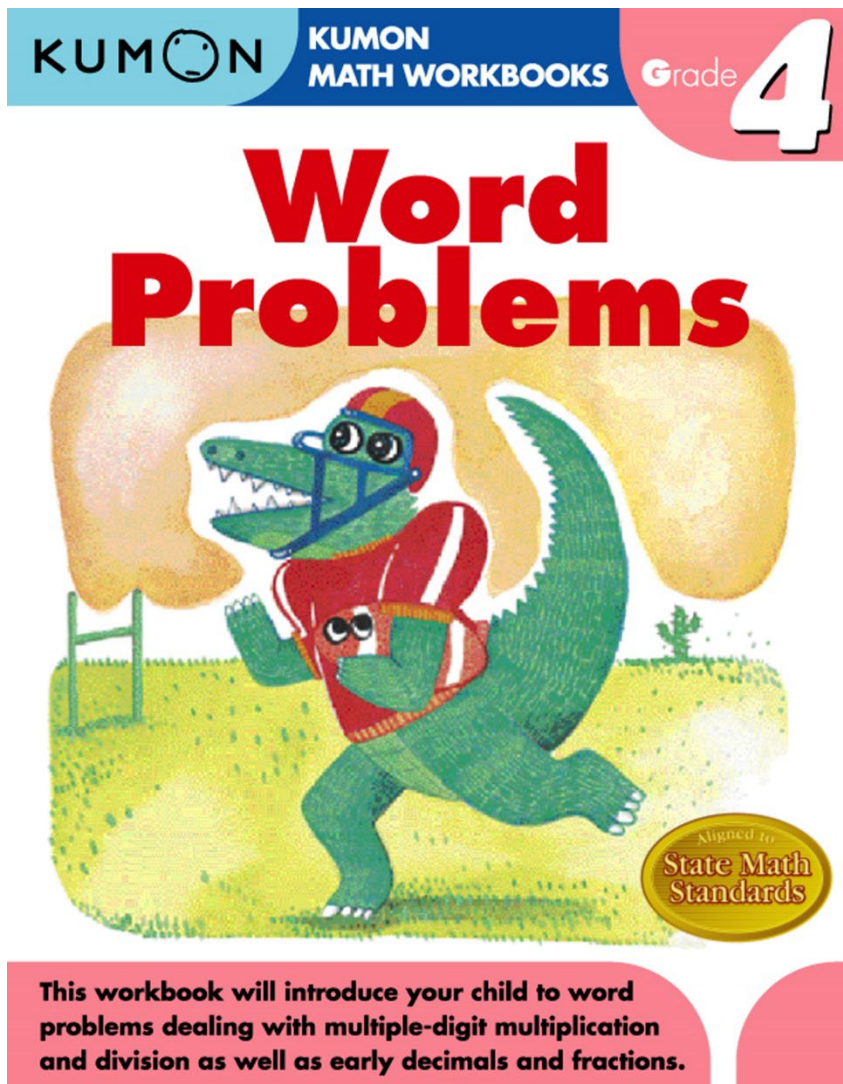


# Kumon *Grade 4 Word Problems* Workbook Educator's Guide

Using Kumon Calculations Workbooks: General Guidance ..... 2  
Daily Guide: Grade 4 Word Problems ..... 4



## Using Kumon Calculations Workbooks: General Guidance

Kumon Calculations Workbooks follow the Kumon Method, a proven learning system from Japan that has helped millions of children worldwide develop math skills without frustration.

You can use Kumon Calculations Workbooks to **introduce new math skills** or to **provide additional support** after/alongside another program. The table below shows benefits of each approach.

Using Kumon Workbooks to teach a new skill	Using Kumon Workbooks for additional support
<ul style="list-style-type: none"><li>• Learn the new concept(s) using an efficient and targeted approach</li><li>• Avoid development of misconceptions</li><li>• Progress toward mastery of the relevant math facts and procedures</li><li>• Improve your child's mental calculation abilities and their ability to learn independently</li></ul>	<ul style="list-style-type: none"><li>• Refine and deepen understanding of the concept(s)</li><li>• Solidify mastery of math facts and gain procedural fluency</li><li>• Identify and correct misconceptions</li><li>• Improve your child's mental calculation abilities and their ability to learn independently</li></ul>

Please note that **for the full benefit of the Kumon Method**, including personalized learning plans and individualized instruction, take the next step and contact a Kumon Learning Center near you. Visit [www.kumon.com](http://www.kumon.com) for more information about our Learning Centers.

### Important Steps

For all Kumon Word Problems Workbooks, please use the following steps for best results.

Timing
<ul style="list-style-type: none"><li>• We recommend having your child complete about one section (2 pages) a day. This should include the answer check.</li><li>• Each daily session is about 15 to 30 minutes. If your child is learning the skill for the first time, the learning session will be closer to 30 minutes.</li></ul>
Sequencing
<ul style="list-style-type: none"><li>• Even if your child is reviewing material, have them start on page 1 and work through the book page by page. Similarly, they should always work problems on each page in order. For best results, do not skip any content.</li></ul> <p>Kumon Workbooks are designed so the student “learns through doing”; therefore, the sequence of pages and</p>

problems in each book is key to the instructional method and effectiveness.

### Checking Answers and Moving On

- Checking and correcting answers is an essential part of the learning process. One approach is to have a parent or teacher mark the child's answers as either correct or incorrect. Then have the child correct the wrong answers.
- You may choose to require a perfect score before your child moves on the next section. If you use this approach, you can repeat each section as many times as you wish by erasing it and having your child redo it. Or, have your child write answers on a separate sheet.

### Encourage Self-Learning

- One hallmark of the Kumon Method is the emphasis on learning through doing rather than passive absorption of information. This is why there is minimal direct explanation in the book; the understanding comes through working problems in sequence.
- Support your child in the self-learning process by allowing them to work independently on the problems, correct their answers, and reflect on their errors. We encourage you to ask questions to promote deeper engagement, but resist the urge to "just explain" what they should learn from the page.

For a daily plan and page-by-page guidance to support using Kumon *Grade 4 Word Problems*, see the next page.

## KUMON Grade 4 Word Problems Workbook: Daily Guide

### Using this guide

- This guide organizes the workbook into daily sessions of 2 pages each.
- Each daily session should last about 15 to 30 minutes.
- Fill in the Date column to keep track of your progress.

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Date	Book Section	PP.	Description	Educator Notes
<b>TOPIC: Review</b>				
	1	2-3	Mixed Calculation Review	This book begins with word problems that review addition, subtraction, division, and multiplication skills to prepare your child for practice with more difficult concepts in this book.
	2	4-5	Mixed Review Continued	
<b>TOPIC: Division</b>				
	3	6-7	Division	In this section, your child will practice division word problems. At first the numbers will be small and easy to work with. As the section continues the numbers will increase.
	4	8-9	Division	A hint for solving division problems is knowing how much of what item or object will be divide and by what number. Look for words like split, divide, or group to help signify a division problem. It is also important to make sure you divide the numbers in the right order. At this level, you will never divided a small number by a larger one. If your child has trouble determining which number to divide by and which number is the items being divided ask them to find the larger number and divide by the smaller number.
	5	10-11	Division	
	6	12-13	Division with Remainders	In this page set, your child will practice dividing with remainders. A remainder is the amount leftover when dividing numbers that do not divide evenly. For example, $30 / 4 > 4$ goes into 30 7 times, but $4 \times 7$ is only 28. This means the answer to the problem has a remainder of 2. The final answer would be 28 R 2.
	7	14-15	Division	Problems with remainders can be solved the same way as division problems without remainders. First, see how many times the divisor goes into the number being divided. Next, make sure the number cannot go into the dividend another time. The number you are left with is the remainder. Remainders should always be smaller than the divisor. If the remainder is larger than the divisor, that means the divisor can fit into the number being divided at least one more time.
	8	16-17	Division	
	9	18-19		
	10	20-21		These page sets give your child more word problems to practice.
	11	22-23		
<b>Topic: Decimals</b>				
	12	24-25	Adding and Subtracting with Decimals	In this section, your child will practice word problems with decimals. When adding or subtracting decimals it is important to line the decimals up. Then add or subtract from right to left. If the numbers in the ones place after the decimal add up to ten remember to carry the 1 over to the ones place in front of the decimal.

Date	Book Section	PP.	Description	Educator Notes
	13	26–27		
<b>Topic: Using A Formula</b>				
	14	28–29		In this section of the workbook, your child will practice solving word problems with multiple steps. The best way to do this is to write a formula to solve the steps of the problem. For example, if you are buying two items that cost different prices and pay for them together. For this type of problem, a formula would include adding the two prices and subtracting that number from the payment to find the change.
	15	30–31		
	16	32–33		
	17	34–35		It is important when writing formulas to solve word problems that your child make sure to place the numbers in the correct spots and use the correct method of calculation. Make sure your child determines what method of calculation is needed for each set of numbers to solve the problem correctly.
	18	36–37		
	19	38–39		
	20	40–41		This is the last page set in this section, make sure your child checks their answers as they go and self-corrects any problems they got wrong.
<b>Topic: Mixed Calculations</b>				
	21	42–43		In this section, your child will practice mixed calculation word problems. For each problem there are multiple steps to finding the answers.
	22	44–45		
	23	46–47		
	24	48–49		
	25	50–51		These problems require multiple steps, or calculations, to find the answer. The situations are more complex, but children should draw on the same strategies used above to break each problem down into its separate steps. In particular, paraphrasing the problem without any numbers will help students break the problem down into pieces.
	26	52–53		These page sets give your child more word problems to practice.
	27	54–55		
	28	56–57		The first few problems have supports to help your child write the equation. If they need help visualizing the situation, allow them to draw the situation. When they are finished, praise them for mastering a tricky topic!
	29	58–59		
	30	60–61		This is the last page set in this section, make sure your child checks their answers as they go and self-corrects any problems they got wrong.
<b>TOPIC: Graphs &amp; Tables</b>				
	31	62–63	Creating Charts	
	32	64–65		These lessons are scaffolded in a way that guides the student to creating their own graph or table by following a clear process.
	33	66–67		Nonetheless, these problems are challenging, and you should encourage your child to use the same strategies they've used in

Date	Book Section	PP.	Description	Educator Notes
	34	68-69		previous lessons to decode the problem.
<b>TOPIC: Review</b>				
	35	70-71	• Mixed review	If your child struggles with a particular problem, allow them to return to the section where they practiced this skill previously to review their work.
	36	72-73	• Mixed review	