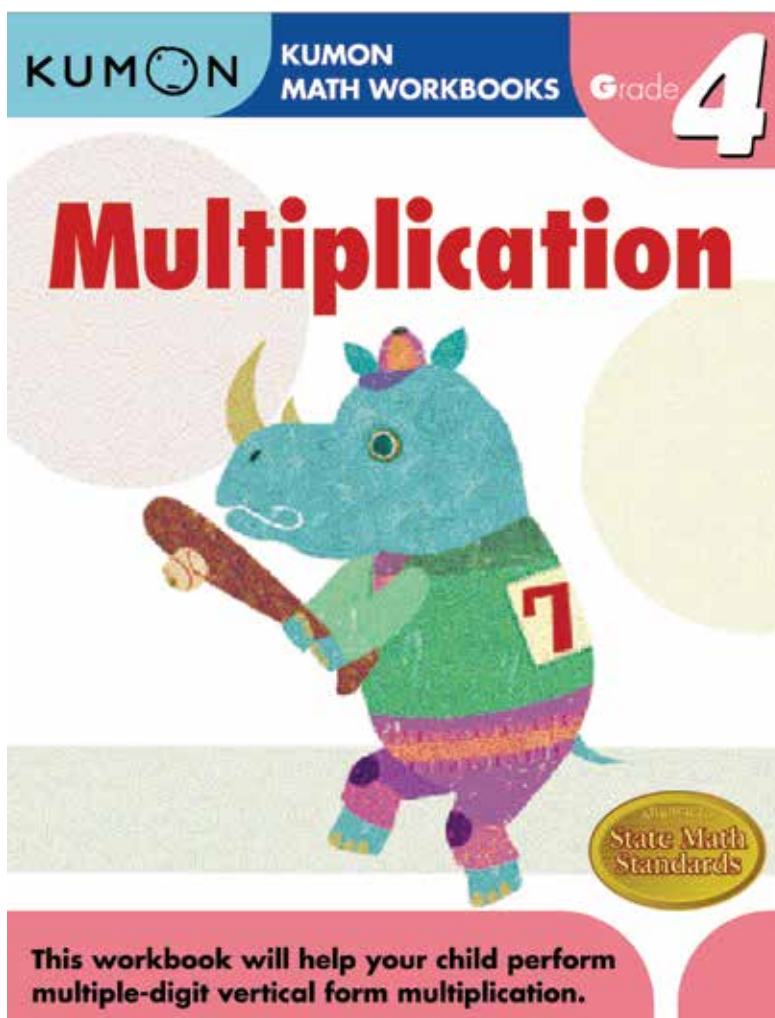


Kumon *Grade 4 Multiplication* Workbook Educator's Guide

Using Kumon Calculations Workbooks: General Guidance	2
Daily Guide: <i>Grade 4 Multiplication</i>	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">• Learn the new concept(s) using an efficient and targeted approach• Avoid development of misconceptions• Progress toward mastery of the relevant math facts and procedures• Improve your child's mental calculation abilities and their ability to learn independently	<ul style="list-style-type: none">• Refine and deepen understanding of the concept(s)• Solidify mastery of math facts and gain procedural fluency• Identify and correct misconceptions• Improve your child's mental calculation abilities and their ability to learn independently

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 for more information about our Learning Centers.

Important Steps

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

Timing
<ul style="list-style-type: none">• We recommend having your child complete about one section (2 pages) a day. This should include the answer check.• 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.
Sequencing
<ul style="list-style-type: none">• 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. <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.

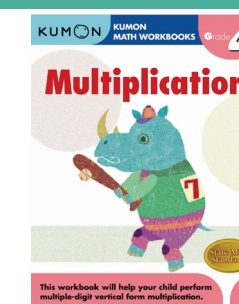
For a daily plan and page-by-page guidance to support using Kumon *Grade 4 Multiplication*, see the next page.

KUMON Grade 4 Multiplication 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
TOPIC: Addition Review				
	1	2-3	• 2-Digit Addition	This section should serve as a review. If your child has difficulty with these problems, have them review addition. Consider having them use <i>Kumon Grade 3 Addition & Subtraction</i> to practice.
	2	4-5	• 3-Digit Addition	
TOPIC: Multiplication Review				
	3	6-7	• Multiplying single digits starting with 1-5	These lessons serve as an opportunity for your child to practice their multiplication tables. Encourage them to work quickly if they can while still answering accurately.
	4	8-9	• Multiplying single digits starting with 6-9	
	5	10-11	• Multiplying single digits mixed	
	6	12-13	• Mixed review	
TOPIC: 2-Digit by 1-Digit Multiplication				
	7	14-15	• 2-Digits \times 2	Ask your child if they prefer adding to find the solution or multiplying the solution.
	8	16-17	• 2-Digits \times 3	Ask your child again if they prefer adding or multiplying to get the solution. Which method takes longer? Then ask them how they think they will feel when they get to bigger numbers, like multiplying by 5.
	9	18-19	• 2-Digits \times 2, \times 3	If your child hits a lesson that they find particularly difficult, have them practice their times tables for that number. The numbers get progressively bigger with each lesson, making them more difficult. Have your child check their answers for each lesson, and don't move on until they are comfortable with bigger numbers.
	10	20-21	• 2-Digits \times 3, \times 4	
	11	22-23	• 2-Digits \times 4, \times 5	
	12	24-25	• 2-Digits \times 5, \times 6	
	13	26-27	• 2-Digits \times 6, \times 7	
	14	28-29	• 2-Digits \times 7, \times 8	
	15	30-31	• 2-Digits \times 8, \times 9	
	16	32-33	• 2-Digits \times 1-Digit	
	17	34-35	• 2-Digits \times 1-Digit	
	18	36-37	• 2-Digits \times 1-Digit	
	19	38-39	• 2-Digits \times 1-Digit	
	20	40-41	• 2-Digits \times 1-Digit	Your child may prefer rewriting the horizontal problems vertically. Allow them to solve it whichever way they prefer.
TOPIC: 3-Digit and 4-Digit by 1-Digit Multiplication				
	21	42-43	• 3-Digits \times 1-Digit	As your child moves on to bigger numbers, it is even more important for them to keep their columns neat so that they can keep track of place value. Have them work slowly if they need to, especially as they are starting out.
	22	44-45	• 3-Digits \times 1-Digit	
	23	46-47	• 3-Digits \times 1-Digit	
	24	48-49	• 3-Digits \times 1-Digit	
	25	50-51	• 4-Digits \times 1-Digit	
TOPIC: 2-Digit by 2-Digit Multiplication				
	26	52-53	• 2-Digits \times 2-Digits	Consider doing the following as an extension activity: On another sheet of paper, have your child practice multiplying by breaking apart the second number. For example 32×13 becomes $(32 \times 3) + (32 \times 10)$. Then have them compare their answer to the solution they get by multiplying 32×13 in the way shown in the lesson. This will help them to understand why <i>this method works</i> .
	27	54-55	• 2-Digits \times 2-Digits	The bigger the numbers get, the more difficult your child may find these problems. Have them work at a comfortable pace and check their answers to make sure they stay on track.
	28	56-57	• 2-Digits \times 2-Digits	
	29	58-59	• 2-Digits \times 2-Digits	
	30	60-61	• 2-Digits \times 2-Digits	
	31	62-63	• 2-Digits \times 2-Digits	
	32	64-65	• 2-Digits \times 2-Digits	
	33	66-67	• 2-Digits \times 2-Digits	
	34	68-69	• 2-Digits \times 2-Digits	
	35	70-71	• 2-Digits \times 2-Digits	
TOPIC: 3-Digit by 2-Digit Multiplication				
	36	72-73	• 3-Digits \times 2-Digits	
	37	74-75	• 3-Digits \times 2-Digits	
	38	76-77	• 3-Digits \times 2-Digits	

Date	Book Section	PP.	Description	Educator Notes
TOPIC: 3-Digit by 3-Digit Multiplication				
	39	78–79	• 3-Digits × 3-Digits	Once again, consider having your child solve a few of these problems by breaking up the numbers, multiplying them, and then adding them. For example, 321×123 becomes $(321 \times 100) + (321 \times 20) + (321 \times 3)$.
	40	80–81	• 3-Digits × 3-Digits	
	41	82–83	• 3-Digits × 3-Digits	
TOPIC: Three Number Multiplication				
	42	84–85	• Three Number Multiplication	If your child needs help getting started, have them begin with even smaller numbers, for instance $2 \times 3 \times 2$.
TOPIC: Review				
	43	86–87	• Review	If your child has difficulty with any of these problems, have them review the lesson where the skill is introduced for more practice.