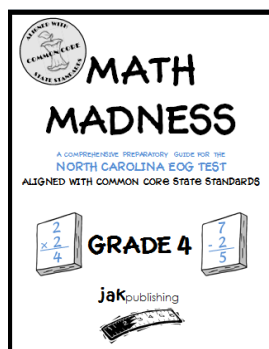


NORTH CAROLINA – CURRICULAR ALIGNMENT

GRADE 4

In June 2010 the North Carolina Department of Public Instruction adopted the Common Core State Standards (CCSS) for Mathematics. In an effort to prioritize within the Common Core State Standards for Mathematics, the North Carolina Department of Public Instruction (NCDPI) invited teachers statewide to collaborate and develop weight distributions across the math domains for each grade level. This information was then used to determine anticipated instructional time, and to develop the Next Generation of Assessments, Edition 4 testing parameters. The chart below shows the distribution for 4th grade as determined by the NCDPI.



North Carolina EOG Weight Distribution (Grade 4)	
Domain	Test Percentage
Operations and Algebraic Thinking	12-17%
Number and Operations in Base Ten	22-27%
Number and Operations – Fractions	27-32%
Measurement and Data	12-17%
Geometry	12-17%

JAK Publishing then used North Carolina’s guidelines to create each Math Madness book. **This consumable workbook was designed to provide a daily review of all math domains specifically outlined in the North Carolina 4th grade CCSS.** All critical areas outlined in the Standards have been thoroughly covered. Questions in each lesson were created proportionally to reflect the distribution across the domains as seen in the chart above. Thus, the number of questions per domain in each lesson is based on this percentage. Additionally, lessons are structured so that questions remain aligned to the same domain throughout the book. In other words, question 1 in every lesson will always cover Operations and Algebraic Thinking, questions 2 and 3 will always cover Number and Operations in Base Ten, and so on. This format allows teachers to note student weaknesses and provide an opportunity for remediation. For example, if a student consistently misses question 1, it will alert the teacher to shortcomings in the area of Operations and Algebraic Thinking.

This chart shows how the questions in this book are aligned to each domain.

Math Madness Question	Domain / Standard Covered
1	Operations and Algebraic Thinking 4.OA.1 4.OA.2 4.OA.3 4.OA.4 4.OA.5
2 and 3	Number and Operations in Base Ten 4.NBT.1 4.NBT.2 4.NBT.3 4.NBT.4 4.NBT.5 4.NBT.6
4 and 5	Number and Operations – Fractions 4.NF.1 4.NF.2 4.NF.3a-d 4.NF.a-c 4.NF.5 4.NF.6 4.NF.7
6, 7 and 8	Measurement and Data 4.MD.1 4.MD.2 4.MD.3 4.MD.4 4.MD.5a-b 4.MD.6 4.MD.7 Geometry 4.G.1 4.G.2 4.G.3
9/10	Open-Ended Question (Mixed Review of All Domains/Standards)