Common Core State Standards Alignment Sheet
On-the Job Math Mysteries

All lessons in this book align to the following standards.

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>Common Core State Standards in Math</th>
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| Grade 4     | 4.OA.A Use the four operations with whole numbers to solve problems.  
              | 4.NBT.A Generalize place value understanding for multi-digit whole numbers.  
              | 4.NBT.B Use place value understanding and properties of operations to perform multi-digit arithmetic.  
              | 4.NF.A Extend understanding of fraction equivalence and ordering.  
              | 4.NF.B Build fractions from unit fractions.  
              | 4.NF.C Understand decimal notation for fractions, and compare decimal fractions.  
              | 4.MD.A Solve problems involving measurement and conversion of measurements.  |
| Grade 5     | 5.NBT.A Understand the place value system.  
              | 5.NBT.B Perform operations with multi-digit whole numbers and with decimals to hundredths.  
              | 5.NF.B Apply and extend previous understandings of multiplication and division.  
              | 5.MD.A Convert like measurement units within a given measurement system.  
              | 5.MD.C Geometric measurement: understand concepts of volume.  |
| Grade 6     | 6.RP.A Understand ratio concepts and use ratio reasoning to solve problems.  
              | 6.NS.B Compute fluently with multi-digit numbers and find common factors and multiples.  
              | 6.NS.C Apply and extend previous understandings of numbers to the system of rational numbers.  
              | 6.EE.A Apply and extend previous understandings of arithmetic to algebraic expressions.  
              | 6.G.A Solve real-world and mathematical problems involving area, surface area, and volume.  |
| Grade 7     | 7.RP.A Analyze proportional relationships and use them to solve real-world and mathematical problems.  
              | 7.NS.A Apply and extend previous understandings of operations with fractions.  
              | 7.G.B Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.  |
| Grade 8     | 8.G.B Understand and apply the Pythagorean Theorem.  |

Key:
OA = Operations & Algebraic Thinking; NBT = Number & Operations in Base Ten; NF = Number & Operations–Fractions; MD = Measurement & Data; G = Geometry; RP = Ratios & Proportional Relationships; NS = The Number System; EE = Expressions and Equations