Pennsylvania Mathematics

Grade 1

Adopted 2014

Numbers and Operations CC.2.1

(B) Numbers & Operations in Base Ten

1. Extend the counting sequence to read and write numerals to represent objects. CC.2.1.1.B.1
2. Use place-value concepts to represent amounts of tens and ones and to compare two digit numbers. CC.2.1.1.B.2
3. Use place-value concepts and properties of operations to add and subtract within 100. CC.2.1.1.B.3

Algebraic Concepts CC.2.2

(A) Operations and Algebraic Thinking

1. Represent and solve problems involving addition and subtraction within 20. CC.2.2.1.A.1
2. Understand and apply properties of operations and the relationship between addition and subtraction. CC.2.2.1.A.2

Geometry CC.2.3

(A) Geometry

1. Compose and distinguish between two- and three-dimensional shapes based on their attributes. CC.2.3.1.A.1
2. Use the understanding of fractions to partition shapes into halves and quarters. CC.2.3.1.A.2

Measurement, Data, and Probability CC.2.4

(A) Measurement and Data

1. Order lengths and measure them both indirectly and by repeating length units. CC.2.4.1.A.1
2. Tell and write time to the nearest half hour using both analog and digital clocks. CC.2.4.1.A.2
4. Represent and interpret data using tables/charts. CC.2.4.1.A.4

The Standards of Mathematical Practices

1. **Make sense of problems and persevere in solving them.** MP.1
2. **Construct viable arguments and critique the reasoning of others.** MP.2

Use appropriate tools strategically. MP.3

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4. **Look for and make use of structure.** MP.4

5. **Reason abstractly and quantitatively.** MP.5

6. **Model with mathematics.** MP.6

7. **Attend to precision.** MP.7

8. **Look for and express regularity in repeated reasoning.** MP.8