Pennsylvania Mathematics

Grade K

Adopted 2014

Numbers and Operations CC.2.1

(A) Counting and Cardinality

1. Know number names and write and recite the count sequence. CC.2.1.K.A.1
2. Apply one-to-one correspondence to count the number of objects. CC.2.1.K.A.2
3. Apply the concept of magnitude to compare numbers and quantities. CC.2.1.K.A.3

(B) Numbers & Operations in Base Ten

1. Use place value to compose and decompose numbers within 19. CC.2.1.K.B.1

Algebraic Concepts CC.2.2

(A) Operations and Algebraic Thinking

1. Extend the concepts of putting together and taking apart to add and subtract within 10. CC.2.2.K.A.1

Geometry CC.2.3

(A) Geometry

1. Identify and describe two- and three-dimensional shapes. CC.2.3.K.A.1
2. Analyze, compare, create, and compose two- and three-dimensional shapes. CC.2.3.K.A.2

Measurement, Data, and Probability CC.2.4

(A) Measurement and Data

1. Describe and compare attributes of length, area, weight, and capacity of everyday objects. CC.2.4.K.A.1
4. Classify objects and count the number of objects in each category. CC.2.4.K.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
3. **Use appropriate tools strategically.** MP.3
4. **Look for and make use of structure.** MP.4
5. **Reason abstractly and quantitatively.** MP.5
6. **Model with mathematics.** MP.6

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

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