Pennsylvania Mathematics

Grade Pre-K

Adopted 2014

Numbers and Operations CC.2.1

(A) Counting and Cardinality

1. Know number names and the count sequence. CC.2.1.PREK.A.1
2. Count to tell the number of objects. CC.2.1.PREK.A.2
3. Compare numbers. CC.2.1.PREK.A.3

Algebraic Concepts CC.2.2

(A) Operations and Algebraic Thinking

1. Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from. CC.2.2.PREK.A.1

Geometry CC.2.3

(A) Geometry

1. Identify and describe shapes. CC.2.3.PREK.A.1
2. Analyze, compare, create, and compose shapes. CC.2.3.PREK.A.2

Measurement, Data, and Probability CC.2.4

(A) Measurement and Data

1. Describe and compare measurable attributes of length and weight of everyday objects. CC.2.4.PREK.A.1
4. Classify objects and count the number of objects in each category. CC.2.4.PREK.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
7. **Attend to precision.** MP.7
8. **Look for and express regularity in repeated reasoning.** MP.8