

# V. Mathematics - PK4

## Number Sense PK4.V.A

- 1 Child rote counts from 1 to 30. PK4.V.A.1
- 2 Child counts up to 10 objects with one-to-one correspondence. PK4.V.A.2
- 3 Child counts up to 10 items and demonstrates cardinality by communicating that the last number indicates how many items are in the set. PK4.V.A.3
- 4 Child instantly recognizes the quantity of up to 6 objects without counting (subitizes). PK4.V.A.4
- 5 Child recognizes numerals 0-10. PK4.V.A.5
- 6 Child represents quantities up to 10. PK4.V.A.6
- 7 Child begins to understand that numbers 0-10 can be composed and decomposed in various ways to represent a quantity. PK4.V.A.7
- 8 Child compares sets of objects up to 10 using comparative language (e.g., greater/more than, less/fewer than, equal to/same number of). PK4.V.A.8

## Joining and Separating PK4.V.B

- 1 Child uses objects, pictorial models, and/or a verbal word problem to represent adding up to 5 objects. PK4.V.B.1
- 2 Child uses objects, pictorial models, and/or a verbal word problem to represent subtracting objects from a set of 5. PK4.V.B.2

## Geometry and Spatial Sense PK4.V.C

- 1 Child names and describes common 2D shapes and names at least 1 solid 3D shape. PK4.V.C.1
- 2 Child creates shapes using materials and/or manipulatives. PK4.V.C.2
- 3 Child demonstrates use of position words. PK4.V.C.3
- 4 Child recognizes common shapes, regardless of orientation and size. PK4.V.C.4

## Measurement PK4.V.D

- 1 Child recognizes and compares heights or lengths of people or objects. PK4.V.D.1
- 2 Child recognizes and compares capacity based on how much space exists within an object. PK4.V.D.2

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**3 Child recognizes and compares weights of objects.** PK4.V.D.3

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**4 Child uses language to describe concepts associated with the passing of time within a day.** PK4.V.D.4

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**Classification and  
Patterns** PK4.V.E

**1 Child sorts objects that are the same and different into groups and uses language to describe how the groups are similar and different.** PK4.V.E.1

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**2 Child collects data and organizes it in a graphic representation.** PK4.V.E.2

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**3 Child recognizes, duplicates, extends, and creates patterns.** PK4.V.E.3