

# Mathematics

**Demonstrate knowledge of numbers, numerals, and quantity.** M.NQ

- 1 Recite numbers from 1 to 20.** M.NQ.PK1

---

- 2 Count backward from 5 to 1.** M.NQ.PK2

---

- 3 Give the next number name in the number series up to 10.** M.NQ.PK3

---

- 4 Recognize mistakes in others' counting and self-correct own counting.** M.NQ.PK4

---

- 5 Identify and use numbers related to order or position from first to fifth.** M.NQ.PK5

---

- 6 Count up to 10 objects saying the number name in the correct order and pairing each object with one and only one number name.** M.NQ.PK6

---

- 7 Count using one-to-one correspondence and answer "How many?" questions for a group of up to 10 objects arranged in a straight line.** M.NQ.PK7

---

- 8 Instantly recognize and name the number of objects in a set up to five.** M.NQ.PK8

---

- 9 Manipulate a set of objects to count out a specified or target number of up to 10 objects.** M.NQ.PK9

---

- 10 Correctly identify the remaining number of objects in a set of up to four objects after one object is added or taken away.** M.NQ.PK10

---

- 11 Compare two or more sets of up to 10 objects and accurately identify which sets are equal and which have more or fewer objects.** M.NQ.PK11

---

- 12 Recognize and read some of the numerals between 0 and 10.** M.NQ.PK12

---

- 13 Match the number of objects in a set to the correct numeral between 1 and 5.** M.NQ.PK13

---

- 14 Write, draw, or create objects to represent the numerals between 0 and 5.** M.NQ.PK14

**Demonstrate the ability to analyze and create patterns and early mathematical problem-solving skills.** M.PO

- 1 Sort objects by attributes such as size and shape.** M.PO.PK1

---

- 2 Recognize, replicate, and extend simple repeating patterns.** M.PO.PK2

---

- 3 Create own simple pattern and identify the core unit of the repeating pattern.** M.PO.PK3

---

**4 Solve simple addition and subtraction problems (where the answer is five or less), using objects to represent the problem.** M.PO.PK4

---

**Demonstrate the ability to measure and compare by size and volume.** M.ME

**1 Compare or order up to five objects based on their measurable attributes, such as height or weight.** M.ME.PK1

---

**2 Use comparative language to describe the length, size, or weight of two or more objects (e.g., shortest, heavier, biggest).** M.ME.PK2

---

**3 Measure the length of an object using another object or group of objects.** M.ME.PK3

---

**Analyze and compare common shapes and use knowledge of position in space.** M.GS

**1 Identify basic shapes such as circles, triangles, squares, and rectangles regardless of size or orientation.** M.GS.PK1

---

**2 Name, describe, and compare shapes in terms of length of sides, number of sides, and number of angles.** M.GS.PK2

---

**3 Identify basic 2D and 3D shapes in the environment.** M.GS.PK3

---

**4 Create and build shapes from components.** M.GS.PK4

---

**5 Select, combine, rotate, and flip shapes to match an example.** M.GS.PK5

---

**6 Understand and use language related to directionality and the position of objects.** M.GS.PK6