Kindergarten

Measurement Moments- Take students outside to compare lengths and/or weights of things in nature using words such as “shorter than”, “longer than”, “same as”.

Hopscotch- Draw hopscotch patterns, but not just with 1-10. Make one with 12-22, 30-40, 55-65, etc. Students can make them and then recite numbers as they jump.

Counting Comparisons- Are there more bikes or cars? Do more teachers drive cars or trucks? How do we find out? What else can we compare the number of?

Addition and Subtraction Rocks!- Use rocks as tools for solving story problems.

Weather Watch- Graph the types of weather, cloud types, etc. Does April Showers really bring May flowers?

1st Grade

Measurement Moments- Take students outside to compare measure things in nature.

Addition and Subtraction Rocks! Use rocks as counters for solving story problems.

Place Value Practice-Students write a 2-digit number on sidewalk with chalk and have partner show it with base 10 and with expanded form.

Skip Counting- Students can practice skip counting with jump ropes.

Shape Search- What shapes can we find on the Cross Oak homes, signs, our school, etc. ?

2nd Grade

Fraction Hunt- Take students outside to look for (and maybe take photos of) real-life examples of halves, fourths, and eighths.

Place Value Practice-Students share sidewalk chalk. One writes two 3-digit number on sidewalk with chalk and the other writes the <>= to compare. Have students line themselves up according to a number they are holding.

Weather Watch- Graph the types of weather, cloud types, etc. Does April Showers really bring May flowers?

Time it!: Have students list things that happen outdoors for each category (EX: one second= dog's bark, one minute= driving car through parking lot, one hour= a mailman delivering mail to every house).

Table Fun- Generate a list of paired numbers based on real-life situations such as number of cars related to wheels.

3rd grade

Thermometer Thursdays- Take students outside on Thursdays with thermometers. Graph the temperature each Thursday and create comparison statements.

Perimeter Party!- Students can find the perimeter of things such as the square on the sidewalk, a brick on the wall, etc. You can also give sidewalk chalk and ask them to draw a shape with a perimeter of 12… are all of our shapes drawn the same? What is the perimeter of the playground? Why might we need to know that?

Geometry Hunt- Look for congruent shapes, 2D, 3D, types of shapes, examples of symmetry, etc.

Math on a House: Discuss and write about what types of math have we talked about that might be used to design a house? Look for arrays, length, geometry, addition/subtraction, perimeter, etc.

Measurement "I spy": Use clues such as "I spy something that probably weighs about 1 gram. I spy something that is about 10 yards wide, etc." Take them by the swimming pool and talk about the capacity of the pool.

4th Grade

Capacity sponge contest- Have them transport sponge from one spot to the next and squeeze out water each time. Record how much water each team squeezed out.

Geometry Search- Look for examples of line and angle types. Also look for types of shapes (2D & 3D). Find examples of symmetry, translations, rotations, and reflections.

What's theTemp?-Take students outside to check temp in the morning & in the afternoon. What's the difference? Find temperatures in other parts of the US and compare.

Deci-Egg hunt: Students find eggs with pictures of decimals inside. They have to write decimals for it & convert to fraction.

Measurement "I spy": Use clues such as "I spy something that probably weighs about 1 gram. I spy something that is about 10 yards wide, etc." Take them by the swimming pool and talk about the capacity of the pool.

5th Grade

Coordinate grid –Make a coordinate grid on basketball court. Discuss North, South, East, West. Students use clue cards to move on grid.

Geometry Search- Ball Toss, small balls (ping pong balls) are labeled with fractions. Students throw them in the bucket with a matching equivalent fraction. The team with the most correctly thrown balls wins.

Probability Ball- Students shoot basketball and record how many times they did and did not get a goal. Using the data, they make predictions of what would happen if there was 20 shots in all, etc.

Conversion Egg hunt: Students find eggs with measurements. They open eggs and match equivalent measurements.

Median, Mode, Range Challenge: Students go outside with number cards. They are to put themselves in order and discuss the median, mode, and range of their data.