



For Grades  
K - 2



How to engage your child in real-world application of mathematics in your everyday routines.

*Here are some sample questions you could ask:*

### **At the Store:**

- How many apples did we buy? How many bananas? What did we buy more/less of?
- Where do you see cylinders? Spheres?
- Hold up a can of soup and ask what shape it is.
- We bought 5 apples, 6 bananas, and 2 pineapples. How much fruit did we buy?
- We want to buy 2 toys. One is about \$35 and the other one is about \$32. We have \$70. Is that enough to buy the two toys?

### **At Home:**

- *Around the Clock*
  - What do you do first when you wake up in the morning? Second? Last?
  - Look at the clock on the wall. What time is it? (grade 1 - on the hour or  $\frac{1}{2}$  hour only; grade 2 – include  $\frac{1}{4}$  hour and 5 minute intervals)
  - You're going to bed at 8 o'clock. Is that a.m. or p.m?
- *In the Kitchen*
  - Which is heavier, this can of soup or this loaf of bread?
  - I cut your sandwich into shapes. What shapes did I make?
  - Take this mixing spoon and find items in the kitchen that are longer/shorter.
  - Take uncooked ziti and have them measure the length of the table.
  - I cut one brownie for you to share with your sister and her friend. Show how you can cut the brownie so you each get the same size piece. What are the pieces called?

- *Arts and Crafts*
  - Count how many puzzle pieces are in this puzzle.
  - Take these buttons and sort them by color, size, or shape.
  - Measure art items like markers, glue, paper, yarn with non-standard units of measure like paper clips (grade 1) or with a ruler to the nearest inch or  $\frac{1}{2}$  inch (grade 2).
  - We need 2 yards of string to make a project. How many feet is that? How many inches?

### **On the Road:**

- How many mailboxes can you find?
- How many red cars do you see? How many black cars? What color did you see more/less of?
- Every time you see two cars in a driveway, count them by 2 until you find 40.
- Look at that road sign, read the numbers you see. Which number is greatest? Least?
- Find a house number that is less than 12 or more than 8 keeping the numbers within 20 for K, within 100 for grade 1, and within 1,000 for grade 2.
- Look at the number on that road sign (2 or 3 digits). How many tens or ones? Is there another way to say that number using tens and ones?
- Look at the numbers on those signs. Which ones are odd? Even?
- Add all the digits on that license plate.
- Add the two 2-digit numbers you see on that license plate.
- Find where you see squares or cylinders or pentagons.
- What shape is that sign – how do you know?

### **At a Restaurant or Drive Thru:**

- Here is the change I got from the cashier.
  - How many coins are there? (Kindergarten)
  - Did I get any pennies? How many? or What do you notice about the coins? (grade 1)
  - Count how much the coins are worth altogether. (grade 2)
- Look at your fries. Which one is longest? Shortest?
- We ordered 4 cheeseburgers and 2 hamburgers. How many burgers total did we get?
- Dad is ready to pay the dinner bill. It totals \$89. He gives the waitress a \$100 bill. How much change will he get back?

### **At The Game:**

- How many footballs are in the bag?
- What's the score? Who's winning? How do you know?
- Which player's number is the greatest? The least?
- Can you find a player's number that is 10 more than 42? Can you find a player's number that is the sum of  $12 + 36$ ?
- The other team is winning 12 to 7. How many more runs to we have to score to tie? Win?