

# SUMMER MATH RESOURCES

**Below are a few fun ideas to help parents and their children engage with mathematics over the summer! Incorporate these ideas into your day to day activities to keep skills fresh all summer long.**

## Games

Many card, dice, dominoes, and board games help develop logical reasoning skills and are a fun way of getting the family all together!

## Puzzles

Helps develop your child's spatial skills, critical thinking, and problem solving. These all help in strengthening your child's mathematical skills.

## Math Picture Books

Provides an opportunity to talk about math concepts in a fun way! Scan the QR code below for a list to get started.

## Create a Store

Whether it's selling lemonade or something else, creating a store will allow kids to count money and make change.

## Bed Time Math

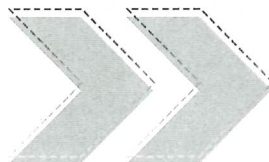
Bedtimemath.org is a great way for parents and their children to engage with math at home in addition to their bedtime story. The website (or app) provides a fun real world scenario and 3 different leveled problems to talk about math in a fun/engaging way.

## Online Programs

IXL, Reflex, ABCya, Math Playground, and many more online programs provide online access to practicing math skills over the summer.

Scan the QR Code to access the Math Coach's Website for more ideas by grade level

**Need More Ideas?**



**SCAN ME!**



# Building a Strong Mathematical Foundation AT HOME

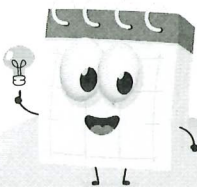
## 123 COUNTING

Count. Count again. Now count some more. Count ...the number of steps to the car ...the number of forks on the table ...the number of grapes on your plate. And, when you're ready, skip count by twos!

## RULERS AND TAPE MEASURES



Measure everything! How far can you jump?  
How long is the desk? How tall are you?  
How tall is the dog?



## 12-MONTH CALENDAR

Write down all the important dates: Your birthday. Your mom's birthday. Special holidays. Karate class. Now use it to figure out things like how many days before your trip to grandmas.

## COINS



Collect coins in a jar. Sort them into groups. Discuss their names and values. Count by 1s (pennies) and skip count by 5s (nickels) and 10s (dimes). Practice adding small amounts.

## TIME



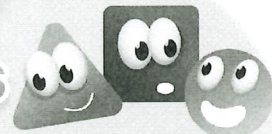
About how long does it take you to... brush your teeth? ...drive to the store? ...jump up and down 10 times? Use a stopwatch to find out!



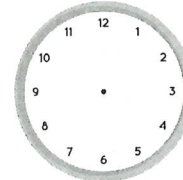
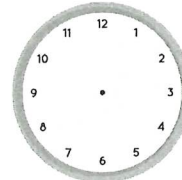
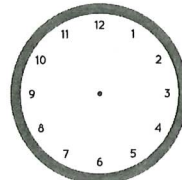
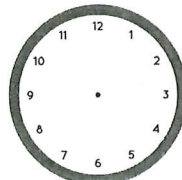
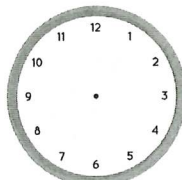
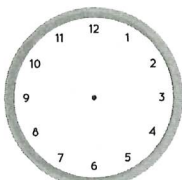
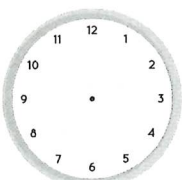
## ANALOG CLOCK

What time do you get up? What time do you go to school? Write your daily schedule below then use the clocks to show the time of each item.

## SHAPES



Look around. Where do you see rectangles? Where do you see triangles? Build with blocks. Design with clay. Draw with paint.



wake up \_\_\_\_\_





# Developing Number Sense AT HOME

Here are 5 simple ways to seamlessly integrate number sense activities while driving in the car, cutting vegetables, waiting in the dentist's office...

## 1 What's the Question?

Give your kids the answer and have them come up with the problem.

**For Example:**

*The answer is seven.  
What's the question?*

**Sample Answer:**

*I had ten grapes  
and then I ate three.  
How many grapes are left?*

## 2 Who Am I?

Not only are these perfect for mental math practice but they're a great way to reinforce math vocabulary. **Sample:**

**I am an even number greater than ten but less than twenty.  
The sum of digits is nine. Who Am I?**

## 3 Which Number Does Not Belong?

This is a pre-algebra activity where kids sort and classify numbers into categories. **Example:**

*Which number does not belong:  
4, 12, 17, 8, 20?*

*The number '17' does not belong  
because it is an odd number  
(or... 17 is not a multiple of 2).*

## 4 Which Has More?

A great mental math activity that gets kids to compare several quantities at the same time. **Example:**

**Which has more, the number of wheels on two cars or the number of eggs in a dozen?**

## 5 And the Answer is ...

For this activity, kids need to compute a series of quantities in their head. **Example:**

**Start with the number of days in a week. Subtract the number of wheels on a tricycle. Double that number. And the answer is ...**

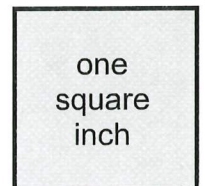
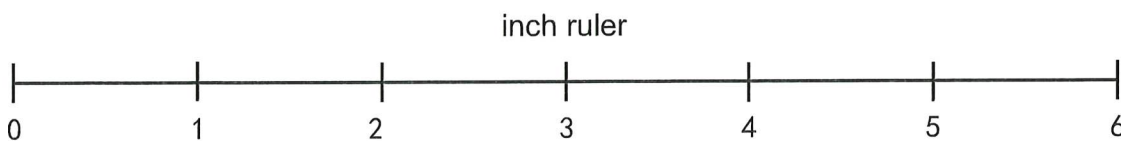


# Math Scavenger Hunt Bingo



Explore the math in your environment by finding and crossing out the items below. Only one item may be crossed out for each find. See if you can get 5-in-a-row horizontally, diagonally or vertically. Challenge: Find all the items.

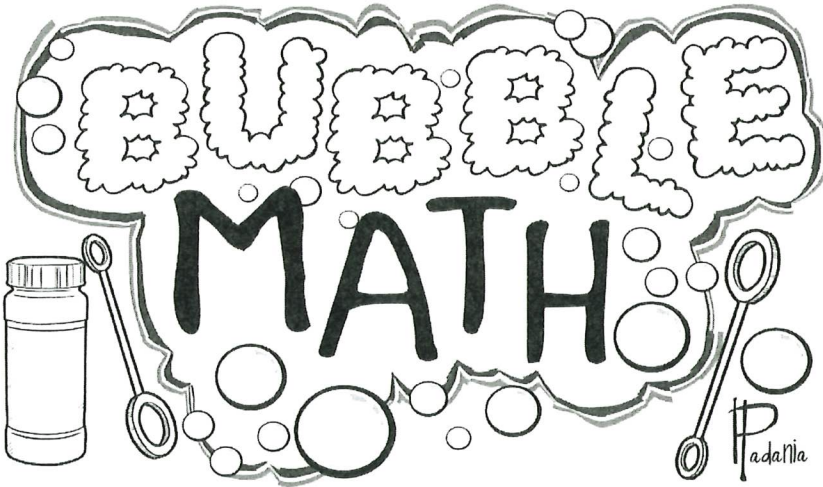
<p>Something square</p>	<p>A circle</p>	<p>Something shorter than 6 inches (see ruler below)</p>	<p>The number</p> <p><b>5</b></p>	<p>A double-digit odd number</p> <p>21, 23, 25, 27, 29...</p>
<p>A dime</p>	<p>Something that comes in twos (pairs)</p>	<p>A rectangular prism</p>	<p>An even number</p> <p>0, 2, 4, 6, 8...</p>	<p>A pattern</p>
<p>Something twice as long as your foot</p>	<p>Something in between 2 and 4 inches long (see ruler below)</p>	<p>Something spherical</p>	<p>Something that tells time</p>	<p>A rectangular array</p>
<p>Something that has symmetry</p>	<p>Something longer than 6 inches (see ruler below)</p>	<p>A number in the teens</p> <p>13, 14, 15, 16, 17, 18, 19</p>	<p>Something about the size of an apple</p>	<p>Perpendicular lines</p>
<p>A number greater than 20 but less than 50</p> <p>&gt;20 &lt;50</p>	<p>Parallel lines</p>	<p>Something triangular</p>	<p>Something with an area between 10 and 30 square inches (see square inch below)</p>	<p>A number whose tens place is even</p> <p>21</p>





NAME \_\_\_\_\_

WHAT'S MORE FUN THAN BLOWING BUBBLES ON A SUNNY DAY? HOW MANY DO YOU THINK YOU CAN BLOW WITH TWO BREATHS? GRAB A BOTTLE OF BUBBLES, TAKE A DEEP BREATH AND SHOW WHAT HAPPENS NEXT!

A diagram of a bubble jar with a lid. The word "TOTAL" is written on the jar. Below the jar are two pairs of bubble wands. The left pair is labeled "FIRST BLOW" and the right pair is labeled "SECOND BLOW". To the right of the jar is the text "MAKE A NUMBER BOND." Below the jar are two large empty circles representing bubbles.

MAKE A NUMBER BOND.

TOTAL

FIRST BLOW SECOND BLOW

WRITE AN ADDITION SENTENCE.

\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

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\_\_\_\_\_

A cartoon crayon with a smiling face and eyes.

USE THE 5-FRAMES.




DRAW A PICTURE.

