

# Monroe Township School District Optional MATH Activities

## Summer Practice for Students Entering 4<sup>th</sup> Grade: 2026

Listed below are suggestions for summer math activities that will help your child strengthen and reinforce important math skills and concepts. These engaging activities connect math to everyday life, providing meaningful opportunities for practice and learning throughout the summer.

### Students should be able to:

- Fluently add and subtract within 1,000.
- Add and subtract three & four digit numbers with and without regrouping.
- Understand place value: Thousands, Hundreds, Tens, Ones.
- Know basic multiplication facts from 1-12.
- Multiply & Divide within 100.
- Use problem solving to choose the correct operation.
- Tell time to the minute intervals.
- Identify and understand fractions as numbers.
- Solve the perimeter and area of given geometric shapes.
- Identify polygons according to their attributes.

### Suggested Activities and Games:

- Attached Grade 4 choice board (highly recommended)
- Flash Cards
- Math Minutes-How many problems can you solve in a minute:
- Addition, Subtraction, & Multiplication Bingo
- Multiplication War
- Monopoly, Battleship, Connect Four, Yahtzee, Checkers, Cards (available for [check-out](#) at the Monroe Township Library)

### District Digital Resources: Login using [Clever](#). **Access using the Google link.**

- **EnVisions 2.0 (math digital textbook via Savvas EasyBridge)**- Practice skills, play games and watch videos that align with NJ 2023 Student Learning Standards (access is available through mid-August).
- **Study Island (district purchased)**- for students currently in grades K-8. It has many useful components to strengthen grade level concepts and prepare for the upcoming school year. The game mode is a fun way to stay mathematically engaged. **Choose the US option - Common Core Grade 1 (Study Island access is available through mid-August.)**

### [Directions to Access Study Island Through Clever](#)

Additional Math Websites: The following sites provide free online math tasks. Please review each site and monitor your child's online sessions.

- [Hooda Math: grades K-HS](#)
- [Math Playground: grades 1-6](#)
- [ixl Math: grades PreK-12](#)
- [A Plus Math: K-5](#)
- [CoolMath4Kids: grades PreK-5.](#)
- [ABCya: grades PreK-6](#)
- [Prodigy](#)
- [Mindly Games](#)

Have fun with your child!

# SUMMER MATH MENU

Entering 4<sup>th</sup> Grade



**DIRECTIONS: CHOOSE 6-8 ACTIVITIES TO COMPLETE. ONCE YOU HAVE COMPLETED THE ACTIVITY, PLEASE COLOR THE BOX WHEN DONE.**

<p>DRAW A SUMMER SCENE USING AT LEAST 5-6 DIFFERENT 2D SHAPES. LABEL THE SHAPES YOU USED AND SHOW WHERE THEY APPEAR IN YOUR PICTURE.</p>	<p>ROLL TWO DICE, MULTIPLY THE NUMBERS, AND WRITE THE 4 FACTS IN THAT FACT FAMILY ((<math>3 \times 4 = 12</math>, <math>4 \times 3 = 12</math> <math>12/3 = 4</math> &amp; <math>12/4 = 3</math>)).</p> <p>DO THIS 5 TIMES.</p>	<p>WRITE A WORD PROBLEM FOR EACH OPERATION (ADDITION, SUBTRACTION, MULTIPLICATION, &amp; DIVISION. THEN SOLVE EACH STORY PROBLEM.</p>	<p>FIND 5 LARGE NUMBERS IN YOUR HOUSE OR A MAGAZINE. WRITE THEM IN STANDARD FORM, EXPANDED FORM, AND WORD FORM</p>	<p>FIND 5 GROUPS OF OBJECTS AROUND YOUR HOME AND USE THEM TO CREATE AND SOLVE DIVISION PROBLEMS. DRAW OR DESCRIBE EACH GROUP AND WRITE THE MATCHING DIVISION EQUATION</p>
<p>USE SIDEWALK CHALK TO DRAW DIFFERENT ANALOG CLOCKS OUTSIDE. DRAW THE HOUR AND MINUTE HANDS TO SHOW WHAT TIME YOU WAKE UP, EAT LUNCH, EAT DINNER, &amp; GO TO BED.</p>	<p>DRAW A PIZZA WITH 8 SLICES. COLOR THE SLICES WITH AT LEAST 3 DIFFERENT TOPPINGS. WRITE THE FRACTION FOR EACH TOPPING.</p>	<p>PLAY A GAME OF "MULTIPLICATION WAR" WITH A DECK OF CARDS. FLIP TWO CARDS, MULTIPLY THEM, AND THE PERSON WITH THE HIGHER PRODUCT WINS.</p>	<p>FIND AND SKETCH 4 DIFFERENT QUADRILATERALS (SHAPES WITH 4 SIDES) IN YOUR HOME OR NEIGHBORHOOD</p>	<p>DEVELOP A SURVEY QUESTION FOR YOUR FAMILY AND FRIENDS. COLLECT THE DATA. THEN ORGANIZE YOUR DATA INTO A BAR GRAPH OR A PICTURE GRAPH. WHAT DID YOU LEARN FROM YOUR DATA?</p>
<p>DESIGN A BEACH TOWEL BY DIVIDING IT INTO EQUAL SECTIONS. COLOR THE SECTIONS AND LABEL THE FRACTION OF THE TOWEL THAT EACH COLOR REPRESENTS.</p>	<p>FIND 5 SQUARE OR RECTANGULAR OBJECTS IN YOUR HOME. MEASURE THE LENGTH AND WIDTH OF EACH ONE. THEN FIND THE AREA AND PERIMETER OF EACH OBJECT.</p>	<p>USE A TAKEOUT MENU TO ORDER FOOD FOR YOUR ENTIRE FAMILY. CALCULATE THE TOTAL FOR THE BILL AND THEN FIND THE AMOUNT OF CHANGE YOU WOULD RECEIVE IF YOU PAID WITH \$100</p>	<p>DESIGN YOUR OWN BOARD GAME THAT REQUIRES PLAYERS TO SOLVE ADDITION AND SUBTRACTION PROBLEMS TO MOVE FORWARD. THEN PLAY WITH A FRIEND OR FAMILY MEMBER.</p>	<p>CREATE 3 MYSTERY NUMBERS: ONE 4-DIGIT, ONE 5-DIGIT, AND ONE 6-DIGIT NUMBER. WRITE CLUES USING PLACE VALUE, DIGIT VALUE, AND ROUNDING TO HELP SOMEONE GUESS EACH NUMBER.</p>
<p>CHOOSE 5 MULTIPLICATION FACTS THAT ARE CHALLENGING FOR YOU. WRITE EACH EQUATION AND ITS ANSWER, THEN DRAW A PICTURE TO SHOW HOW THE FACT WORKS.</p>	<p>CHOOSE 5 DIFFERENT NUMBERS TO SKIP COUNT BY (SUCH AS 2S, 3S, 4S, 5S, OR 10S). START AT ANY NUMBER AND WRITE THE NEXT 15 NUMBERS IN EACH PATTERN.</p> <p>CHALLENGE: CAN YOU SPOT ANY PATTERNS IN YOUR SKIP COUNTING? WRITE ONE THING YOU NOTICE!</p>	<p>FIND 5 OBJECTS IN YOUR ROOM. MEASURE THEIR LENGTH TO THE NEAREST <math>\frac{1}{4}</math> INCH. THEN WRITE DOWN WHICH OBJECT IS THE LONGEST AND WHICH IS THE SHORTEST.</p>	<p>THERE ARE 365 DAYS IN A YEAR AND 24 HOURS IN A DAY. USE A CALCULATOR AND WHAT YOU KNOW ABOUT MULTIPLICATION TO FIND HOW MANY HOURS OLD YOU ARE. THEN FIND OUT HOW MANY HOURS OLD SOMEONE OLDER IN YOUR FAMILY IS.</p>	<p>CREATE AND SOLVE 5 ADDITION PROBLEMS AND 5 SUBTRACTION PROBLEMS THAT REQUIRE REGROUPING. SHOW YOUR WORK AND CHECK YOUR ANSWERS TO MAKE SURE THEY ARE CORRECT.</p>