

WINTER 2025

MIDDLEBOROUGH PUBLIC SCHOOLS

MATH HOME TIPS: KINDERGARTEN - 2ND GRADE

The BIG 3

1. STAY POSITIVE and COMMUNICATE

Please, Please, Please don't say, "I hate math" or "I wasn't good at math either". Keep in mind that passing on a phobia about Math can limit success and make a future mathematician doubt their capability. Instead, try to encourage them using the ideas below!

Acknowledge that something is challenging but doable

Help with practice.

Encourage the "I haven't got it YET" mindset

Teach them that Math has a purpose and putting in the effort to understand will lead to success.

Help them to feel more comfortable taking risks in Math.

Encourage them to persevere and try different ways to find a solution

Make sure they are explaining their thinking process when solving problems

2. PLAY GAMES

Many games for children use math (not just Monopoly). Games strengthen basic skills like counting, matching, and comparing.

Qwixx

Mancala

Cards: Go Fish, War, Uno, Memory, Crazy Eights

Dice Games (check out the Game Doc below for ideas!)

Board games: Candy Land, Chutes and Ladders

Other games: Dominoes, Connect Four, Monopoly Junior

Math puzzles



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3. MATH IS EVERYWHERE

Look and use opportunities to use math in the “real world”. Car rides, walks outside, and trips to the grocery store all provide opportunities to count, compare, notice a pattern, and wonder.

Recipes and Meal Prep

Count out snack portions, measure out ingredients

Money - Identify coins and use them to count in patterns

Pennies (count by 1s)

Nickels (count by 5s)

Dimes (count by 10s)

Crafts - Count out supplies, use different shapes to create pictures

Time refers to digital and analog clocks and communicate about how many minutes until bed or dinner, etc.

Schedules - Create a schedule of their morning or nightly routine, incorporating time!

Use a calendar at home and fill it in with your child so they strengthen skills of days of the week, month, weekdays and weekends.

ACTIVITIES

Games to play at home!

Mancala directions

RESOURCES

<https://childandfamilyblog.com/how-parents-can-support-math-learning-at-home>

<https://parentpowered.com/blog/improving-learning-outcomes/family-math-activities>

<https://www.pbs.org/parents/learn-grow/all-ages/math>

<https://dreme.stanford.edu/news/40-childrens-books-that-foster-a-love-of-math/>

https://dreme.stanford.edu/wp-content/uploads/2023/05/math_picture_books_full_list.pdf



WINTER 2025

MIDDLEBOROUGH PUBLIC SCHOOLS

MATH HOME TIPS: 3RD - 5TH GRADE

The BIG 3

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Make sure they are explaining their thinking process when solving problems

2. PLAY GAMES

Many games for children use math (not just monopoly).

Games strengthen basic skills like counting, matching and comparing.

Mancala

Battleship

Cards: Skip Bo, War, Uno, Memory, Crazy Eights, Phase 10

Dice Games:

Farckle, Yahtzee, Bunco

Board games: Monopoly, Monopoly Junior, Scrabble (Math game with words!)

Other games: Dominoes, Connect Four

Math puzzles

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MATH HOME TIPS: 3RD - 5TH GRADE

The BIG 3

3. MATH IS EVERYWHERE

Look and use opportunities to use math in the “real world”. car rides, walks outside, trips to the grocery store...

Recipes & Meal Prep: Count out snack portions

Money: Explore how much items cost, set and follow a budget

Crafts: Measure materials, find total cost

Travel: Plan a trip, calculate mileage and travel time

Chores & Schedules

Chance & Probability

GAMES

[SolveMe Puzzles](#)

[Prodigy](#)

[Math Playground](#)

[Card Games for Math Practice](#)

RESOURCES

[Family Math Activities](#)

[Math At Home](#)

