



THE FAST FUN GAME OF MENTAL MATH

A COMPREHENSIVE
MATHLETIC TRAINING PROGRAM
Based on the MATHDICE playing system.

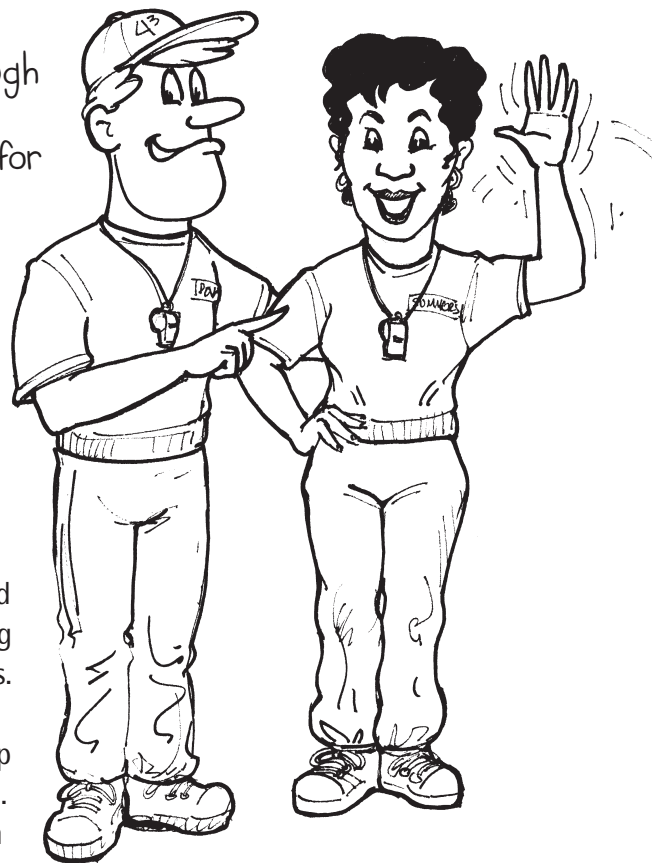
MATHDICE

MAIN SEASON GUIDE

MIND CHALLENGING FUN!



Congratulations! You made it through the preseason and decided to join us for the main season. Yeah!



OK, now, I'm going to be straight with you.

Things are different here. I'm going to be asking more of you, but I'm also going to rely more on help from your local community—people like your parents, your teammates' parents, and your math teacher.

Oh, and there's also a surprise. I've designed a cool reward system where you earn points for playing and practicing MathDice and where you track your progress with stickers.

If you play this game and follow the program, you can't help but prove your skills—and that's what I really want for you. Plus if you're really motivated and you've got a good team around you, you may be competing in the postseason championships... but that's down the road.

Before we continue, I want you to meet my assistant coach. Her name is Addie Summers, and she's going to help explain the point system and how you can earn MathDice rewards. So with that, I'll leave it in the capable hands of Coach Summers. Take it away, coach!

Hey kids! Great to meet you. We're going to have lots of fun together, so I hope you're excited. I want to tell you all about the MathDice main season. The season consists of four activities:

- Playing MathDice with friends and parents
- Solving MathDice puzzle challenges
- Additional MathDice training games and activities
- Playing in MathDice competitions and tournaments

My training philosophy is based on points. You get points for the games you play and for the challenges you solve. You may also get points in other ways such as in-class competitions or by playing MathDice training games.

You keep track of your points on your personal player score sheet. When you reach certain levels, your teacher will give you a sticker to place on your sheet. When you get a certain number of stickers, you'll get prizes or other cool stuff. And during all of this, no matter how you decide to earn points, make sure to have fun!!! That's the whole point of MathDice, and why I'm here talking to you. I can't wait to get started!

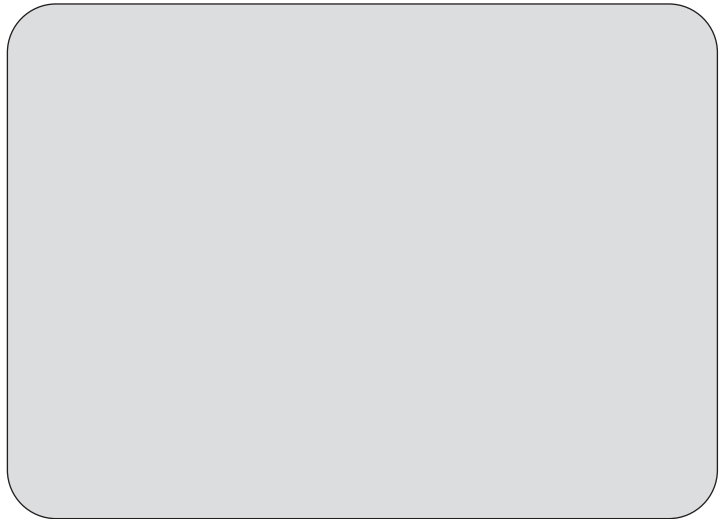
Your Score Sheet

Okay, sticker time! I want to show you how to earn points and claim your stickers for practicing and playing MathDice.

See this? This is your player Score Sheet and you'll use it to track how many points you've earned in the MathDice main season.

Every time you earn points, by playing games, solving challenges, or whatever else, you'll earn points. Tally these points on your score sheet by filling in a dot on the dice for every point you earn. One dot equals one point. Got it? The dots are grouped in fives, so it'll be easy to add up your points.

Plus, anytime you fill in one of the darker sections, it means you've reached a MathDice milestone. Let your teacher know, and he/she will hand you the appropriate sticker to put on the bottom of your worksheet. If you reach 150 points, not only are you well on your way to being a true MathDice mathlete, you'll also receive a cool puzzle as a prize for completing your score sheet. Way to go! Plus, your teacher may also have set up other rewards for reaching various milestones.



How To Earn Points

Playing MathDice

The first and easiest way to earn points is to simply play MathDice. You can play with two, three, or four players. A game lasts until one player reaches four points. Every time you play, fill in two dots on your personal score sheet. Hey, it doesn't matter if you win or lose, I just want you to play.

Also, every time you play somebody that you haven't played before, give yourself a bonus point. I want to encourage you to play as many different people as possible.

After a session of playing games, you'll need to fill out a Play Session slip to be signed by your parents. Bring the slip to school and your teacher will award you the appropriate number of points.

For a handy reference, the official rules are listed in Locker Room #1 at the end of this guide. But did you also know that there are ways to play that differ from the official MathDice rules? If you'd like to check out these other fun MathDice rules, go to Locker Room #2.

Solving MathDice Challenges

Now it's time to look at some of the cool puzzles I've put together to keep you on your toes and help you improve your skills.

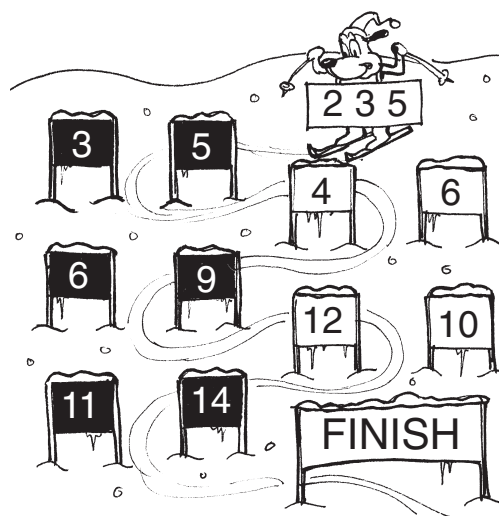
I've put together a group of what I call "MathDice challenge games." These are puzzles I've invented that can really stretch your MathDice skills. And, of course, they're fun, which is always the top priority.

There are four different MathDice challenge games:

- Ski Patrol
- Soccer Shootout
- Tenpin Bowling
- Mini Golf

The rules of each game are different and each focuses on a different MathDice skill. The games are organized into three levels: **Beginner**, **Intermediate**, and **Advanced**.

The beginner challenges use addition, subtraction, and multiplication only. The Intermediate challenges also include division, and the Advanced challenges throw in exponents. Your teacher will decide your starting level, but if you find that the puzzles are too easy, you can always jump to the next level. So let's look at these neat games!



Ski Patrol

Race down a ski slope, darting in and out of gates as fast you can! The thrill is exhilarating! In Ski Patrol, you must use three scoring numbers to create math equations where the results fall between numbers displayed on the gates. This is the most basic of my four games.



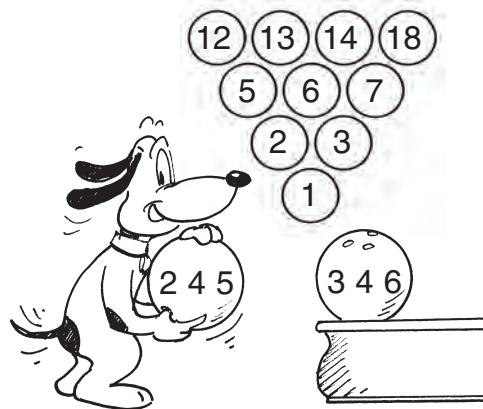
Soccer Shootout

Goooooaaaaaa! Ready for some power kicking? I know a lot of you like soccer, so I made a game out of it! In this game, you're given a set of scoring numbers on a soccerball. Your goal (hee-hee!) is to come up with as many target numbers as you can that make it between the two kids guarding the goal. This is another pretty basic game, so I hope you like it!



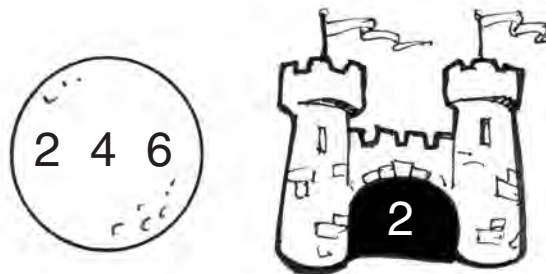
Tenpin Bowling

This time, you have two sets of scoring numbers... one on each of two bowling balls. All you have to do is knock down all ten pins using either of the balls. To knock over a pin, you'll need to create a MathDice expression that equals a number on each of the ten bowling pins! This bowling game is my personal favorite! It's always fun to try to get down every one of those pins!



Mini Golf

I hope you like mini golf! In this game, you have to get as close to the target numbers as you can. Unlike the other games, sometimes it's not possible to hit the target number. So, the question is... how close can you get? Just like in golf, the lower the score, the better! Mini Golf is definitely the trickiest game, but once you get the hang of it, I'll think you'll find it very fun and challenging!



Anytime you want to try a couple of challenge games, ask your teacher, and they'll give you a couple. Depending on how well you do, you'll get more points. You can get one point for simply trying the challenge or if you're really clever and get a perfect score, you'll get three MathDice points. Let your teacher know how many challenges you completed and mark the appropriate number of points on your score sheet.

Additional Training Games and Activities

There are many other really fun games and exercises that I've developed to make the MathDice season as varied and fun as possible. From time to time, your teacher may change things up a bit and show you some of these additional games. Sometimes it'll be a simple drill. Other times it will be a group exercise. It may also be a completely different type of game. He or she will also let you know how many points you can earn for these activities.

Competitions, Tournaments, and More!

One really fun thing about MathDice is that it's very easy to organize competitions and tournaments. If your school or class chooses to do so, your team may be able to compete in competitions and even region-wide tournaments. Right now, we're going to focus on practicing and playing MathDice, but it's always cool to know what may be coming down the road!

Closing

Coach Powers and I are so excited that you're on board for the main season. We really think this is a great program that's fun for all kids, and that in no time, you'll soon be a super-duper, mathematical math whiz!

I could go on and on about MathDice and other fun things, but I'm sick of hearing myself talk, and I'm sure you are too! So what are you waiting for? Get out there and start rolling those dice! Good luck! TWEEEEEEEEET!

