

**Northeast**  
CREDIT UNION

# FINANCIAL LITERACY

**PROGRAM**



# FINANCIAL LITERACY WORKBOOK

**FUNGO & SLIDER'S**



Presented By: **Northeast**  
WEALTH ADVISORS

WHERE WOULD BASEBALL BE WITHOUT

## MATH?

The Toronto Blue Jays have allotted \$40 to build your team.  
Pick 4 Infielders, 3 outfielders, 1 catcher, and 3 pitchers to assemble a Championship team!



**FUNGO**

### Pitchers

- Ryan Boyer \$4
- Jimmy Burnette \$5
- Ian Churchill \$3
- Michael Dominguez \$2
- Hunter Gregory \$4
- Riley Tirota \$2

### Pitchers

- Adam Macko \$4
- Trenton Wallace \$3
- Adrian Hernandez \$3
- CJ Van Eyk \$2
- Devereaux Harrison \$4

### Infielders

- Alex De Jesus \$4
- Riley Tirota \$2
- Josh Kasevich \$5
- Rainer Nunez \$4
- Miguel Hiraldo \$3
- Michael Turconi \$3

### Catchers

- Zach Britton \$5
- Phil Clarke \$4
- Andres Sosa \$3

### Outfielders

- Garrett Spain \$4
- Devonte Brown \$2
- Alan Roden \$3
- Gabriel Martinez \$3



**SLIDER**

Keeping track of plays is so important for remembering what happened on the field. Help me make sense of these plays!



- (1) Pitcher
- (2) Catcher
- (3) 1st Baseman
- (4) 2nd Basemen
- (5) 3rd Basemen
- (6) Shortstop
- (7) Left Fielder
- (8) Center Fielder
- (9) Right Fielder
- (DH) Designated Hitter

| #  | Line Up    | Pos | 1           |
|----|------------|-----|-------------|
| 2  | G. Spain   | 8   | SB          |
| 9  | R. Tirota  | 3   | K           |
| 28 | M. Hiraldo | 6   | DP<br>6-4-3 |

### Score Abbreviations

- 1B.....Single
- 2B.....Double
- 3B.....Triple
- BB.....Walk
- Bk.....Balk
- CS.....Caught Stealing
- DP.....Double Play
- E.....Error
- K.....Strikeout
- FC.....Fielder's Choice
- SB.....Stolen Base
- HR.....Home Run
- HBP.....Hit By Pitch

### Berroa...

- a. Stole Second Base
- b. Hit a Double
- c. Hit By Pitch

### Jimenez...

- a. Home Run
- b. Fielder's Choice
- c. Struck Out

### Palmengiani...

- a. Single
- b. Double Play
- c. Hit a Double

## Fungo's Fun Facts

The fastest pitch in MLB history was thrown by Aroldis Chapman:  
**105.1 mph**

The fastest man in the majors is Reds CF Billy Hamilton:  
**20.5 mph**

Since ESPN began officially tracking home run distance in 2009, the longest home run is **496 feet\* by Aaron Judge.**

\*Past home runs have been estimated to be over 500 feet

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IF YOU ARE SAVING, YOU ARE

**SUCCESSING!**

There is so much to do around the ballpark! To create your own experience last longer, it is important to manage your money!

Help advise Billy what to buy at Delta Dental Stadium.



**SLIDER**

## WORD PROBLEMS *TEST YOUR MONEY SKILLS!*

Billy is so excited to come to a Fisher Cats game with his best friend Andrew and his family. His mom gave him \$20 to spend at the game. He is already planning on buying the kids meal at the concession stand (\$10.50) and buying a 5 pack of launch a balls (\$5). How much money does Billy have now?

Andrew's mom was so kind to offer both Andrew and Billy an additional \$20 that they have to split evenly. How much money does Billy have now?

Billy walked by the Dippin' Dots stand and just has to have some! After spending money on tickets to the play area (\$5), does he have enough for a bowl of Dippin' Dots (\$7.50) and a foam finger (\$6)?



## WHERE'S THE...

Answers: Question 1- \$4.50, Question 2 - \$14.40, Question 3 - No

The Fisher Cats and the City of Manchester have engineered a series of ballpark landmarks that make our home stadium the BEST in Double-A, voted by fans!

Can you find them all?

**FUNGO**

*Bullpen Patio*



*Dinner on Deck*



*Mesh Back Seats*



Answers: Above visitors bullpen, behind Home Plate, sections 114 & 104

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**FUNGO & SLIDER'S**



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MATH IS THE PROBLEM, THINKING IS THE

▶▶▶▶ **SOLUTION!** =

Don't forget to check out the concession stands while you are at the game! Understanding how to create a solution for things you want vs. things that you need, are important! Build your perfect meal with the money you have!



◀◀◀◀ **FUNGO**

## BUILD A PERFECT MEAL!

You're given \$12 to get yourself lunch...  
 What do you buy?

|                      |     |                  |     |
|----------------------|-----|------------------|-----|
| Chicken Tenders..... | \$6 | Water.....       | \$3 |
| Hot Dog.....         | \$4 | Candy.....       | \$3 |
| Burger.....          | \$6 | Nachos.....      | \$6 |
| Popcorn.....         | \$5 | Ice Cream.....   | \$4 |
| Pretzel.....         | \$5 | Peanuts.....     | \$3 |
| Fries.....           | \$5 | Corn Dog.....    | \$4 |
| Soda.....            | \$4 | Pizza Slice..... | \$5 |



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**SLIDER**

## STATS, STATS, STATS!

Bo Bichette is a legend here at Delta Dental. Getting the privilege to watch him play here in 2018 was more than we could ever comprehend. Let's see how he has done in the big leagues!

Bichette had 24 home runs in 2022, 29 in 2021, and 5 in 2020. How many total did he hit from 2020-2022?

|      | Home Runs | RBI | Hits | Doubles | Triples | Runs | Walks | Strikeouts | Averages |
|------|-----------|-----|------|---------|---------|------|-------|------------|----------|
| 2023 | 14        | 43  | 91   | 11      | 1       | 37   | 13    | 52         | 0.317    |
| 2022 | 24        | 93  | 189  | 43      | 1       | 91   | 41    | 155        | 0.29     |
| 2021 | 29        | 102 | 191  | 30      | 1       | 121  | 40    | 137        | 0.298    |
| 2020 | 5         | 23  | 37   | 9       | 1       | 18   | 5     | 27         | 0.301    |
| 2019 | 11        | 21  | 61   | 18      | 0       | 32   | 14    | 50         | 0.311    |

To determine how many more strikeouts Bo earned than walks in 2021, let's look at the chart above.

How many doubles has Bo hit so far in his career?

The statistic "hits" includes singles, doubles, triples, and home runs. How many singles has he hit in his career?

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MATH IS THE FOUNDATION OF ALL FINANCIAL

## DECISIONS

**Batting Average, ERA, you name it** - mathematics and statistics are everywhere you look in the game of baseball. Knowing the numbers can give you an edge on the diamond, in the dugout, and in the front office. Let's find out how!



FUNGO

### You're the Manager... Make the Call!

It's the bottom of the ninth, and the Fisher Cats need two more outs to win the ballgame! But the rival Sea Dogs have the bases loaded, and their best hitter is coming to the plate - *it looks like you'll need a ground ball double play, or a **strikeout*** - so which pitcher are you going to call in from the bullpen, skipper?

### Hint: Check their Stats!

#### Marcelo Mayer

Season Batting Average: **.189**  
 Average vs. Left-Handed Pitchers: **.167**  
 Average vs. Right-Handed Pitchers: **.278**  
 Strikeout Rate vs. Left-Handed Pitchers: **43%**  
 Strikeout Rate vs. Right-Handed Pitchers: **26%**

Your new Pitcher:



### THE BULLPEN

#### TJ Brock (RHP)

Batting Average Against: **.246**  
 Ground Ball Rate: **1.33**  
 Strikeout Rate vs. Lefties: **40%**



#### Ryan Boyer (RHP)

Batting Average Against: **.210**  
 Ground Ball Rate: **.65**  
 Strikeout Rate vs. Lefties: **40%**



#### Adam Macko (LHP)

Batting Average Against: **.150**  
 Ground Ball Rate: **1.10**  
 Strikeout Rate vs. Lefties: **20.7%**



#### CJ Van Eyk (RHP)

Batting Average Against: **.220**  
 Ground Ball Rate: **0.58**  
 Strikeout Rate vs. Lefties: **24.1%**



#### Adrian Hernandez (RHP)

Batting Average Against: **.170**  
 Ground Ball Rate: **0.85**  
 Strikeout Rate vs. Lefties: **39%**



Answer: TJ Brock because he has the best chance to make a double play out of the situation and a high chance of striking him out.



Ever want to operate our manual scoreboard in left field? It's harder than it looks! See if you can figure out if the Fisher Cats won the games below!

### SLIDER

#### Example

|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | R |
|-------------|---|---|---|---|---|---|---|---|---|---|
| SEA DOGS    | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 |
| FISHER CATS | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 4 |

#### Game 1

|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | R |
|-------------|---|---|---|---|---|---|---|---|---|---|
| SEA DOGS    | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| FISHER CATS | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 |

#### Game 2

|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | R |
|-------------|---|---|---|---|---|---|---|---|---|---|
| YARD GOATS  | 3 | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 0 | 0 |
| FISHER CATS | 0 | 0 | 4 | 1 | 2 | 0 | 0 | 0 | 3 | 0 |

#### Game 3

|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | R |
|-------------|---|---|---|---|---|---|---|---|---|---|
| THUNDER     | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 |
| FISHER CATS | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 |

#### Game 4

|               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | R |
|---------------|---|---|---|---|---|---|---|---|---|---|
| RUMBLE PONIES | 0 | 3 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 0 |
| FISHER CATS   | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 0 |

#### Game 5

|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | R |
|-------------|---|---|---|---|---|---|---|---|---|---|
| SEA DOGS    | 3 | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 0 | 0 |
| FISHER CATS | 0 | 0 | 4 | 1 | 2 | 0 | 0 | 0 | 3 | 0 |

Answers: Game 1: Fisher Cats win 4-3. Game 2: Fisher Cats win 7-2. Game 3: Fisher Cats win 5-3. Game 4: Fisher Cats lose 8-6. Game 5: Fisher Cats win 10-8.