

$$(a \times b)^n = a^n \times b^n$$
$$(b-a \ y_i)$$

$$\sim \exists x[p(x)] \equiv \forall x[\sim p(x)] = \sqrt{\sum_{i=1}^N (x_i - \bar{x})^2}$$
$$\sin(-x) = -\sin(x)$$



$$\text{trapezoid} = h/2 (b_1 + b_2)$$

$$S_n = \frac{n}{2} [2a_1 + (n-1)d]$$

$$2ax + a^2 = 0$$

$$S_n =$$



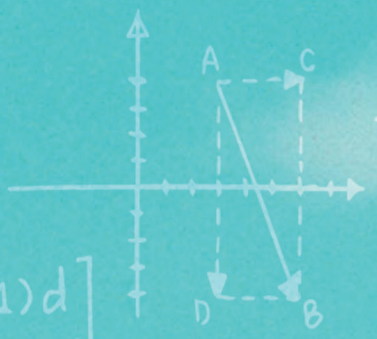
$$(ab)^m a^m b^m$$
$$\text{Rectangle} = ab$$
$$\text{arctanh}(z) = 1/2 \ln((1+z)/(1-z))$$

$$(x_n/2)(a - y_i^2)$$

$$(1/2)(3 - ax_n^2)$$

$$\sim \exists x[p(x)]$$
$$\sin(-x)$$

$$\tanh(x) = \sinh(x)/\cosh(x)$$



$$+ b_2)$$

$$+ (n+1)d]$$

$$(x-a)^2$$

$$\frac{a_1 - a_1 r^n}{1-r}$$

$$y_i + 1 = y$$

$$X_{n+1} =$$

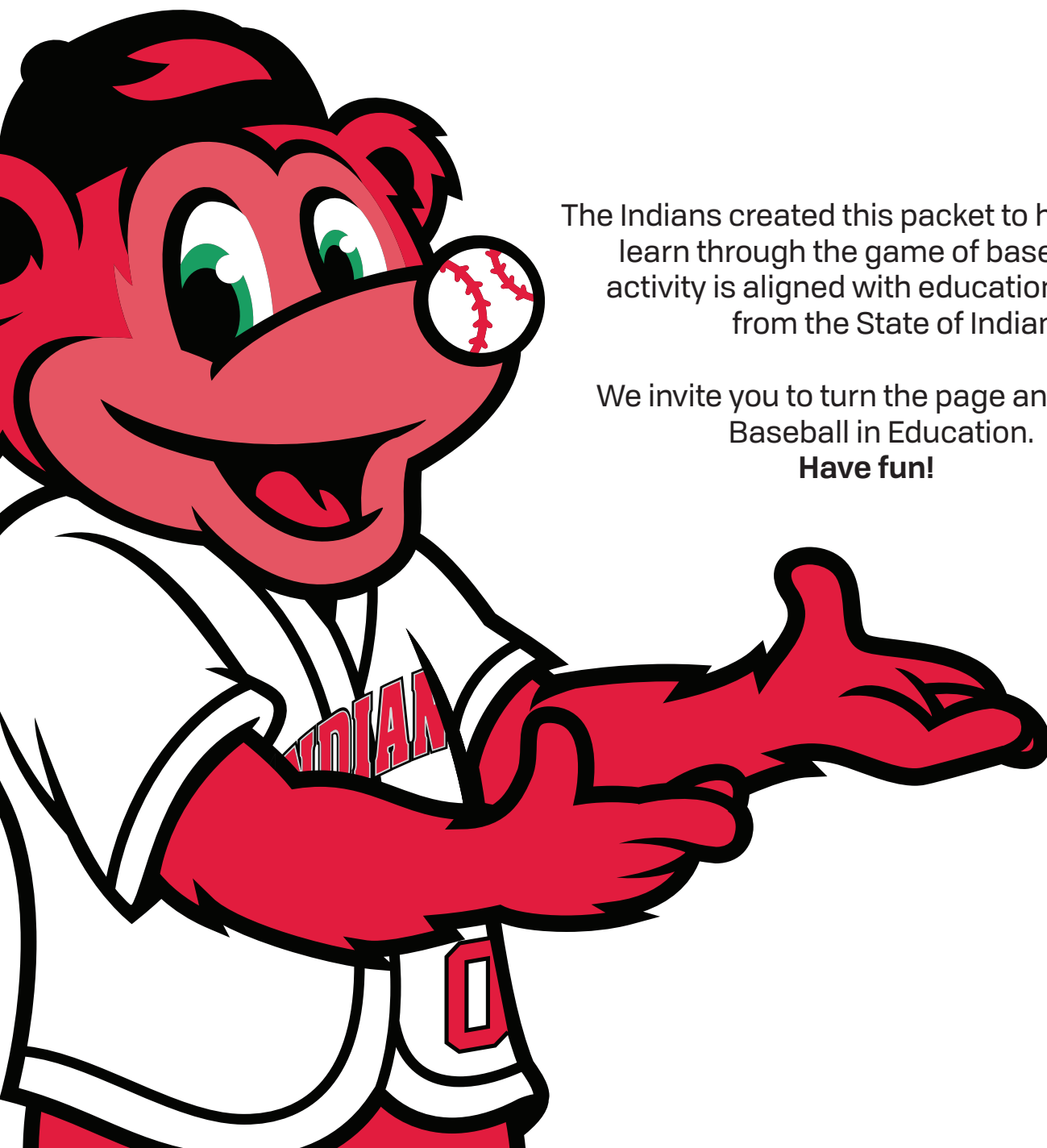
GRADES 2-3

INDIANAPOLIS

INDIANS

BASEBALL IN EDUCATION

Welcome to the Indianapolis Indians Baseball in Education program for Grades 2 and 3



The Indians created this packet to help students learn through the game of baseball. Each activity is aligned with education standards from the State of Indiana.

We invite you to turn the page and slide into Baseball in Education.
Have fun!





A LIFETIME *of* SUCCESS



IUPUI

BASEBALL IN EDUCATION CURRICULUM OUTLINE

Grades 2-3

- Pg 1 **Create Your Own Baseball Card**
An exercise to understand why baseball cards are fun and the importance of the information contained within them.
- Pg 2 **Divide 'em Up**
Story problems using division and baseball.
- Pg 6 **Introducing Rowdie!**
Learn about the Indians mascot Rowdie.
- Pg 8 **Clocks & Money at Victory Field**
Story problems based on situations from around the stadium using clocks and money.
- Pg 11 **Who Has the Most Baseballs?**
Using a pictograph to solve baseball questions.
- Pg 12 **Thank You Notes**
Template if students want to write a thank you note to Rowdie.
- Pg 13 **Answer Sheet**
Key to problems from earlier in the book.



CREATE YOUR OWN BASEBALL CARD

Create a Baseball Card About You!

(Indiana Standards: 2.RV.1, 2.W.1, 2.SL.2.1, 2.ML.1, 3.RV.1, 3.W.1, 3.SL.2.1, 3.ML.1)

MITCH KELLER
Indianapolis Indians™
BORN: April 4, 1996
BIRTHPLACE: Cedar Rapids, Iowa
BATS: RIGHT THROWS: RIGHT
HEIGHT: 6'2" WEIGHT: 210

STATISTICS

YEAR TEAM	W-L	ERA	G	GS	SV	IP	H	BB	SO
2017 Bradenton (A-)	6-3	3.14	15	15	0	77.1	57	20	64
2017 Altoona (AA)	2-2	3.12	6	6	0	34.2	25	11	45
2018 Altoona (AA)	9-2	2.72	14	14	0	86.0	64	32	76
2018 Indianapolis (AAA)	3-2	4.82	10	10	0	52.1	59	22	57
Minor Lg Totals	29-17	3.02	87	86	0	435.2	359	135	443

The Pirates No. 1 prospect was Pittsburgh's second-round selection of the 2014 First-Year Player Draft. He began the 2018 campaign with Altoona and went 9-2 with a 2.72 ERA (26er/86.0ip) before being promoted to Indy, leaving him fourth in Altoona's history with a 2.83 ERA among pitchers with at least 20 starts. He earned a Futures Game Selection and started for the U.S. Team at Nationals Park, where he threw one hitless inning and struck out two. To cap off the season, Keller finished first in the Pirates organization with 135 strikeouts, tied for third with 12 wins and fourth with a 3.48 ERA.

www.INDYINDIANS.com

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Every Indianapolis Indians player has a baseball card. The player's information on the card includes their home state/country, height, weight, if he throws and bats with his right or left hand, and career statistics. The baseball card also highlights information about the player's achievements.

Birthday:
Family Members:
Favorite Subject in School:
Favorite Thing To Do:
Special Talent:
Best Thing You Did for Someone Else:

Draw Your Picture Here: <div style="border: 2px solid black; height: 200px; width: 100%;"></div>
Your Name:



DIVIDE 'EM UP

Solve each division word problem. Show your work.

(Indiana Standards: 3.AT.2, 3.AT.3)

<p>A</p> <p>Mr. Pedro has brought 4 evenly divided boxes of baseballs to class. There are 36 baseballs altogether. How many baseballs are in each box?</p>	Solve and Show Your Work
<p>B</p> <p>Mrs. Smith at the concession stand scooped 16 scoops of ice cream evenly onto 8 cones. How many scoops of ice cream are on each cone?</p>	Solve and Show Your Work
<p>C</p> <p>Mr. Allen bought 24 shirts at the Victory Field Gift Shop. There were 8 students and each student received the same number of shirts. How many shirts did each student receive?</p>	Solve and Show Your Work
<p>D</p> <p>There are 27 mitts in the dugout. Nine players sit in the dugout. How many mitts does each baseball player have?</p>	Solve and Show Your Work
<p>E</p> <p>There are 36 bats in the dugout. Nine players sit in the dugout. How many bats does each player have?</p>	Solve and Show Your Work



OPENING HEARTS & MINDS THROUGH SPORTS



Baseball in *Inclusive Education*

Special Olympics Indiana is proud to partner with the Indianapolis Indians during the 2020 season as we continue our work using the power of sports like baseball and softball to open hearts and minds toward people with intellectual disabilities and to create inclusive communities across the state.

Indiana is home to the largest Special Olympics **Unified Champion Schools®** program in the world, with more than 260,000 students in over 650 Indiana schools actively involved in what we call the *#InclusionRevolution*.

On the field and off, we are working together to create a more inclusive world and to ensure that everyone has the right to play, learn, and live together. Join us and be a part of the Unified Generation!



Special Olympics
**Unified Champion
Schools®**



www.soindiana.org | www.generationunified.org



AVOIDANCE



- Disregard
- No acknowledgment
- No eye contact
- Isolation decided by others

SITUATIONAL FRIENDSHIP



- Shared environment
- Taking part in activities together
- Opportunity for new friendships

INCLUSION



- Mutual acknowledgment
- Integrated opportunities
- Appreciating differences

FEAR OF DIFFERENCE



- Lack of understanding
- Limited interaction
- Deliberate separation
- Bullying

TOLERANCE



- Passive interaction
- Service role
- Providing physical support
- Using phrases of pity or tokenism

EXCLUSION



- Denied access
- Isolation
- Feeling of rejection

MEANINGFUL INCLUSION



- Sense of belonging
- Defined by unique experiences
- Valuing individual identities

ACCEPTANCE



- Community of welcome
- Equal treatment
- Positive group interactions

LASTING FRIENDSHIP



- Ongoing interaction (e.g. Unified Sports®)
- Seeking out friendships
- Staying in touch



Inclusion in Action

- Using the **red** lineup card below, place the concepts on the previous page in order from best to worst.
- Find a partner and share the lineups you made.
- Together, use the **blue** lineup card to create an order that you both agree on.
- Finally, share your lineup with your friends and talk about how your perceptions may differ.

My Starting Lineup

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

Our Starting Lineup

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

EXTRA INNINGS



What is your definition of meaningful inclusion? Can you think of some examples of what this might look like at your school?



INTRODUCING ROWDIE!

In 1993, Rowdie made his first appearance on behalf of the Indianapolis Indians at Bush Stadium!

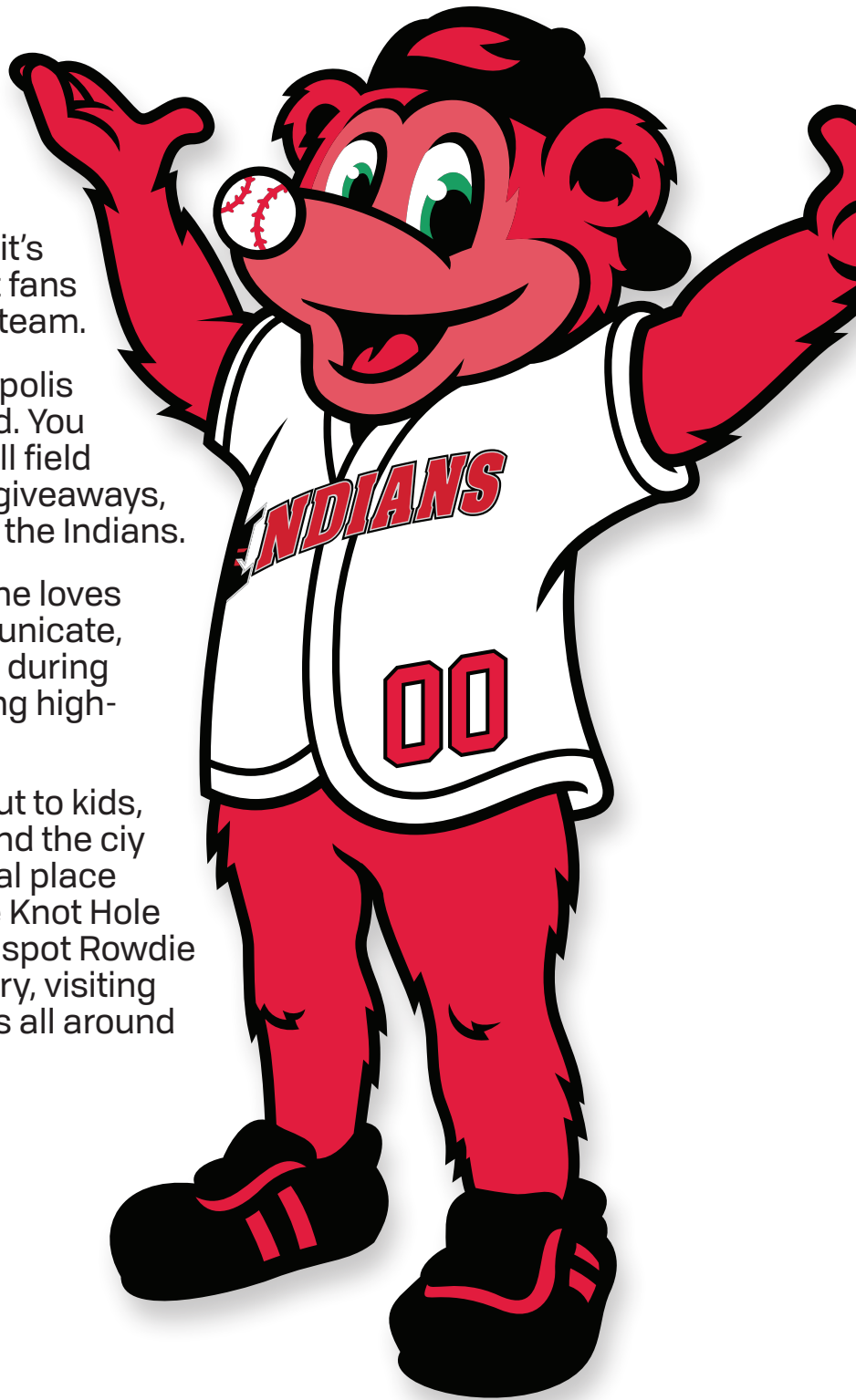
Rowdie has always had a baseball nose. He wears an Indians jersey because he loves the Indianapolis Indians! Rowdie wears the backwards hat and the 00 jersey because it's unique like him. He loves to get fans excited about cheering for the team.

Rowdie represents the Indianapolis Indians both on and off the field. You can see Rowdie on the baseball field between innings for contests, giveaways, t-shirt tosses, and cheering on the Indians.

Although Rowdie doesn't talk, he loves hugs, uses his hands to communicate, and signs over 100 autographs during the game. He can be seen giving high-fives all over Victory Field.

Off the field, Rowdie reaches out to kids, adults, and organizations around the city of Indianapolis. He has a special place in his heart for members of the Knot Hole Kids Club. Sometimes you can spot Rowdie at the Indianapolis Public Library, visiting hospitals, and attending events all around the city.

Everyone LOVES Rowdie!



DESCRIBE ROWDIE

Now that you know Rowdie, how would you describe him? Use adjectives to describe how Rowdie looks, what he wears and how he acts.

(Indiana Standards: 2.SL.1, 3.SL.1)

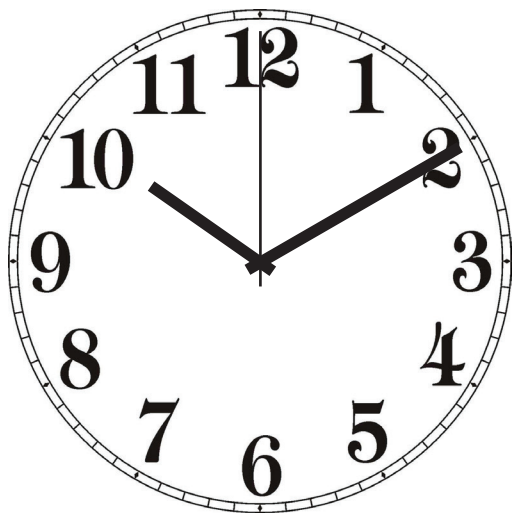
Write your description below.



CLOCKS AND MONEY AT VICTORY FIELD

Use the clock and food menu to solve the problems.

(Indiana Standards: 2.M.4, 3.M.4, 3.M.3)



FOOD MENU	COST
Popcorn	\$5.00
Nachos	\$4.50
Soda	\$4.25
Hot Dog	\$4.00
Peanuts	\$3.75
Candy	\$3.50

1. Juan and his family are leaving for an Indians game at Victory Field. They are leaving at 9:00 a.m. and it takes 45 minutes to drive to the ballpark. What time will they arrive?
2. Chad works at Victory Field. He likes to eat lunch there. He ordered (1) hot dog, (1) bag of candy and (1) soda. How much did he spend?
3. Carol loves peanuts! She ordered (2) bags. She has \$10.00. Does she have enough money? If so, what is her change?
4. Benny and Julie are ready for the baseball game to start! It is 12:10 p.m. The game starts at 1:00 p.m. How long do they have to wait?
5. It takes 3 minutes to sing the National Anthem. If John starts singing at 1:17 p.m. what time will he finish singing?
6. Amy ordered (2) popcorns, (2) sodas, (1) hot dog and (1) nachos. How much did she spend? Amy has \$30.00. How much change will she receive?



BeWaterWise™



QUESTIONS

1. According to the Biz of Baseball, April has an average of 12 rainouts per year. If there are 40 rainouts on average during an entire season, what percentage of rainouts occur in the month of April?

2. A player must drink at least 16 oz of water before the first pitch and 6 oz for every 2 innings in order to stay hydrated during a game. If there are 9 innings in one baseball game, how many oz of water should a player drink in order to stay hydrated all 9 innings?

3. There are 29 players on the Indians team. Each takes a 6 minute shower after a game. If the shower uses 2.5 gallons of water per minute, how many gallons of water are used for when the team showers after a game?

4. How many gallons of water would the team save if each player decreased his shower time by 1 minute?

CHANGEUP YOUR LAWN CARE ROUTINE.

A good pitcher works with the catcher to pick the right pitch to get a strike. At home, there are things you can do with your parents to make your family's lawn look great while helping conserve water and save.

- **WATER THE LAWN ONLY 2X A WEEK**
- **WATER EARLY IN THE MORNING: 4AM – 7AM**

Whether it's reprogramming an automatic sprinkler system or adjusting the way your family cares for the lawn, changing up the routine can make a big difference all season long!



CitizensEnergyGroup.com













































BeWaterWise™



WHO HAS THE MOST BASEBALLS?

Use the pictograph below to answer the questions.

(Indiana Standards: 2.DA.1, 3.DA.1)

Luis	            
Sam	     
Kaley	         
Alex	          
Jenny	   

- Who has the most baseballs? _____
- Who has $\frac{1}{2}$ as many baseballs as Luis? _____
- How many more baseballs does Kaley have than Sam? _____
- Jenny has how many fewer baseballs than Luis? _____
- Sam has how many more baseballs than Jenny? _____
- Alex has how many more baseballs than Kaley? _____
- Kaley has how many fewer baseballs than Luis? _____
- How many baseballs are $\frac{1}{2}$ of Alex's total baseballs? _____
- Sam lost $\frac{1}{2}$ of his baseballs. Jenny gave Sam all her baseballs. Sam has how many baseballs? _____
- How many total baseballs are there? _____



THANK YOU NOTES

After you go to an Indians game at Victory Field, you want to tell Rowdie about how much fun your class had. Write a letter below to Rowdie to tell him about your day at the ballpark.

(Indiana Standards: 2.RV.1, 2.RV.2.1, 2W.3.3)

Dear Rowdie,

Sincerely, _____



ANSWER SHEET

DIVIDE 'EM UP ANSWERS	
A	9
B	2
C	3
D	3
E	4

CLOCK AND MONEY ANSWERS	
1	9:45 a.m.
2	\$11.75
3	Yes, her food cost is \$7.50. Her change is \$2.50.
4	50 minutes
5	1:20 p.m.
6	She spent \$27.00, her change is \$3.00.

WHO HAS THE MOST BASEBALLS ANSWERS	
1	Luis
2	Sam
3	3
4	8
5	2
6	1
7	3
8	5
9	7
10	41

