2018

OAKLAND ATHLETICS MATHLETICS

MATH EDUCATIONAL PROGRAM

3rd - 4th Grade Workbook

Presented by ROSS



#2
KHRIS
Davis
Outfield

HOW TO EARN YOUR TICKETS

For 15 years, the Mathletics program has helped promote the importance of math among students in the Bay Area and Northern California. Thanks to our sponsor, ROSS, over 200,000 students have earned free tickets to an A's game through Mathletics. To keep up with the priorities of our students and fans, the Oakland Athletics will be offering alternative educational programs next season, and we will suspend the Mathletics program after this season. Stay tuned on athletics.com/community for exciting developments about the A's community efforts, and thanks for your Mathletics participation over the past 15 years. Let's go A's!

ELIGIBILITY

Students from the 1st through 8th grades are eligible to participate in the Mathletics program. (One workbook per person.)

INSTRUCTIONS

1. Solve all the problems in this workbook and write your answers on the answer sheet provided.

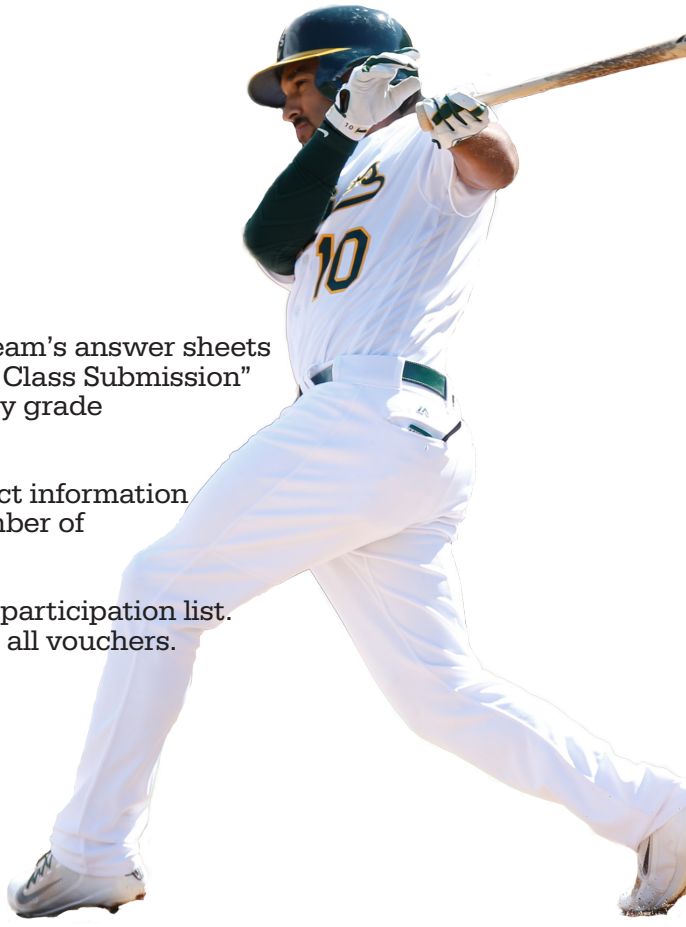
2. Complete online answer form and select game dates at athletics.com/mathletics. **Deadline: Wednesday, August 8, 2018**

3. Every student who submits a completed answer sheet by the deadline will receive two (2) tickets to a 2018 regular season A's home game. The following game dates are available to be selected:

Sunday, May 6 at 1:05pm vs BAL
Thursday, May 24 at 12:35pm vs SEA
Monday, May 28 at 1:05pm vs TB
Thursday, May 31 at 12:35pm vs TB
Friday, June 8 at 7:05pm vs KC
Tuesday, June 12 at 7:05pm vs HOU
Thursday, June 14 at 12:35pm vs HOU
Saturday, June 30 at 1:05pm vs CLE
Sunday, July 1 at 1:05pm vs CLE
Wednesday, July 4 at 1:05pm vs SD
Monday, July 30 at 7:05pm vs TOR
Tuesday, July 31 at 7:05pm vs TOR
Wednesday, August 1 at 12:35pm vs TOR
Friday, August 3 at 7:05pm vs DET
Sunday, August 5 at 1;05pm vs SD
Tuesday, August 14 at 7:05pm vs SEA
Saturday, August 18 at 1:05pm vs HOU
Sunday, September 2 at 1:05pm vs SEA
Saturday, September 8 at 1:05pm vs TEX
Sunday, September 9 at 1:05pm vs TEX

TEACHERS, COACHES, AND YOUTH LEADERS:

- Please have one main contact per group/school.
- Main Contact: Scan and email the class/school/team's answer sheets to mathletics@athletics.com and note "Mathletics Class Submission" in the subject line. (Please have forms organized by grade or participating classes.)
- Create a cover sheet that includes the main contact information (name, school, address, phone, email) and the number of answer sheets enclosed.
- Please make a copy or keep track of your school's participation list. The main contact will be in charge of distributing all vouchers.



MATHLETICS

PRESENTED BY ROSS®

OAKLAND ATHLETICS COMMUNITY FUND

TRADING CARD

REGGIE JACKSON **#9**



Last Year in MLB: 1987
First Year in MLB: 1967

Total Years: _____

Year	Games	Home Runs
1967	35	1
1968	154	29
1969	152	47
1970	149	23
1971	150	32
1972	135	25
1973	151	32
1974	148	29
1975	157	36
1976	134	27
1977	146	32
1978	139	27
1979	131	29
1980	143	41
1981	94	15
1982	153	39
1983	116	14
1984	143	25
1985	143	27
1986	132	18
1987	115	15
Total		563

1. Reggie Jackson debuted on June 9, 1967 with the Kansas City A's. He played his last game on October 4, 1987 with the Oakland A's. How many years did Jackson play baseball?

2. Seventeen years after his last game, Reggie Jackson had his number retired by the Oakland A's. What year was his number retired?

3. How many games did Jackson play in his first three seasons?

4. Reggie Jackson averaged about 26 home runs per season in his career. How many years did he hit more than 26 home runs?

5. How many total years did Reggie Jackson play in his career?

athletics.com™ ROSS® OAKLAND A's ATHLETICS™

RICKEY HENDERSON

Use the graph below to answer the following questions.



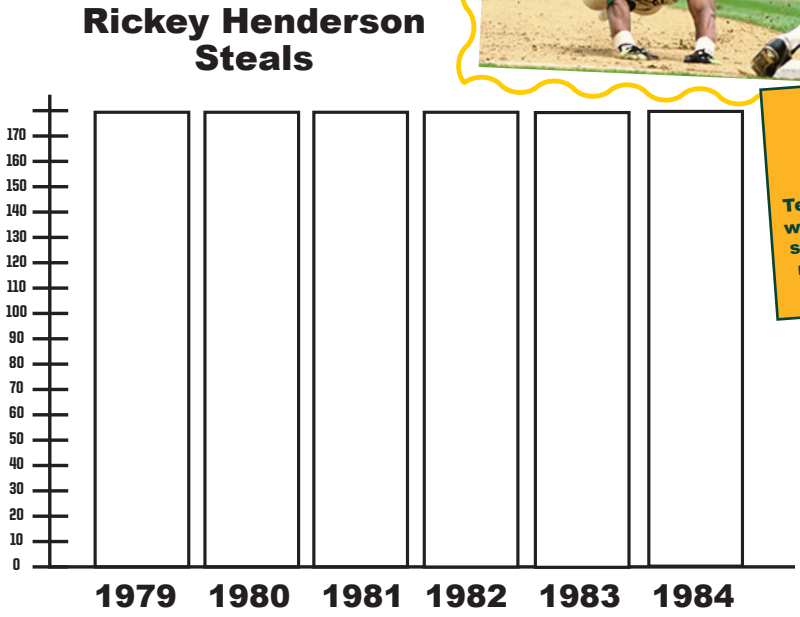
DID YOU KNOW?
Rickey Henderson went to Oakland Technical High School where he was a three-sport athlete. The A's retired his jersey on August 1, 2009.

Data Box:

= 10 Stolen Bases

= 1 Stolen Base

	Total
1979	
1980	
1981	
1982	
1983	
1984	



1. Using the data box, shade in the bar graph to show the number of stolen bases per year.

2. How many more stolen bases did Rickey Henderson have in 1982 than 1984?

3. What is the total number of stolen bases combined in 1980, 1982, and 1983?

4. In 1981, Rickey Henderson had 56 stolen bases. In what year did he more than double this amount?

5. Rickey Henderson stole 100 bases or more in what years?

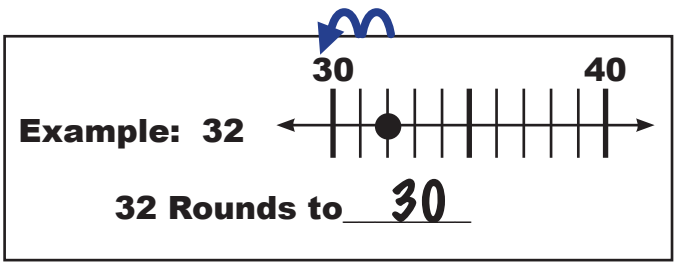
6. Rickey Henderson played 3,081 games in his 25-year career and stole 1,406 bases. How many more bases did he need to steal to match his game total?

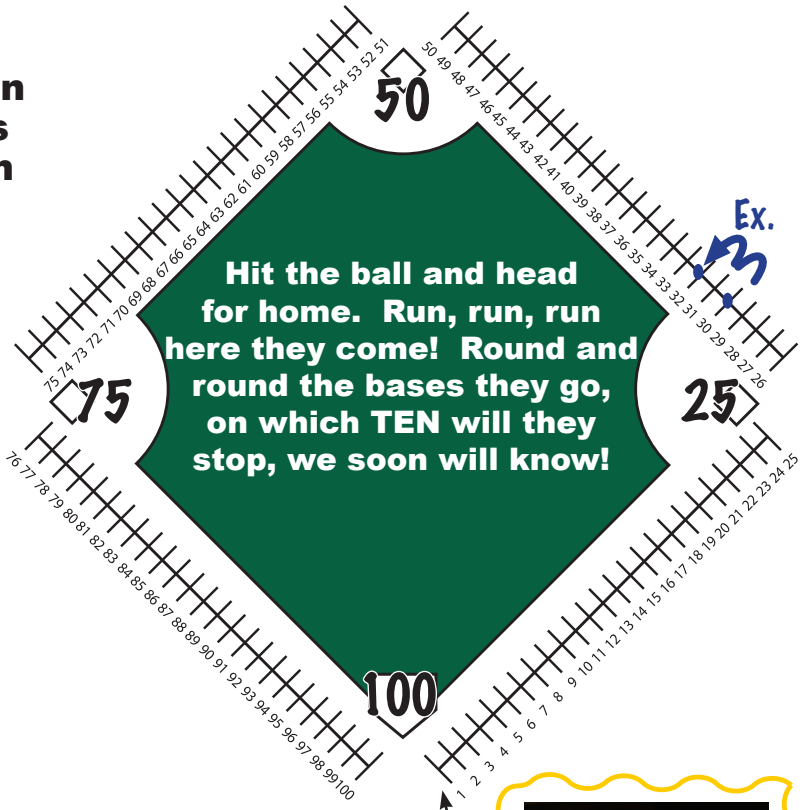
athletics.com™
ROSS®
OAKLAND A's ATHLETICS™

ROUNDING THE BASES

Place each number on the number line and then round to the nearest ten. Remember: 1, 2, 3, 4 keep the numbers that are before 5, 6, 7, 8, 9 move up the number line.

Bob Melvin manages the A's. The A's are having a great day in the outfield. Every ball that has been hit has been caught. From the point the player stops, use the number line to round to the nearest ten.





1. 73



73 Rounds to_____

2. 89



89 Rounds to_____

3. 24



24 Rounds to_____

4. 56



56 Rounds to_____

DID YOU KNOW?
A's Manager Bob Melvin played catcher for the University of California at Berkeley Golden Bears.



5. 12



12 Rounds to_____

6. 48



48 Rounds to_____

athletics.com™ ROSS® OAKLAND A's ATHLETICS™

MULTIPLICATION TABLE

1. Complete the multiplication table with the correct factor.

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

2. Solve the problems to answer to the riddle below. Shade in each square with the corresponding number.

ex. 1 x 4 = 4

2 x 3 = _____

3 x 2 = _____

4 x 1 = _____

5 x 2 = _____

3 x 6 = _____

4 x 7 = _____

5 x 6 = _____

6 x 3 = _____

6 x 5 = _____

7 x 4 = _____

2 x 5 = _____

Riddle:
What is the biggest jewel in the world?

BACKWARDS MULTIPLICATION

Division is an operation that tells us the number of groups that can be made out of a number of items. As you solve 12 ÷ 6 think, "How many groups of 6 make 12?" or "What number times 6 is twelve?"

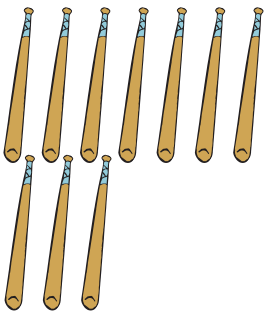


6 x 2 = 12

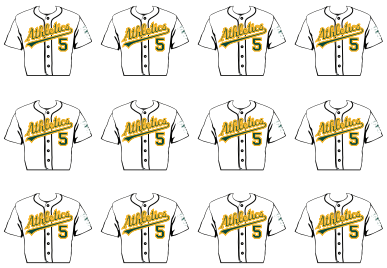
or 12 ÷ 6 = 2

Use the pictures to help you solve these division problems!

3. 10 ÷ 2 = ☐
Bats



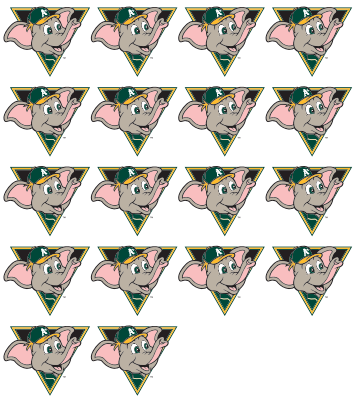
4. 12 ÷ 4 = ☐
Jerseys



5. 20 ÷ 5 = ☐
Hats



6. 18 ÷ 3 = ☐
Stompers



athletics.com™

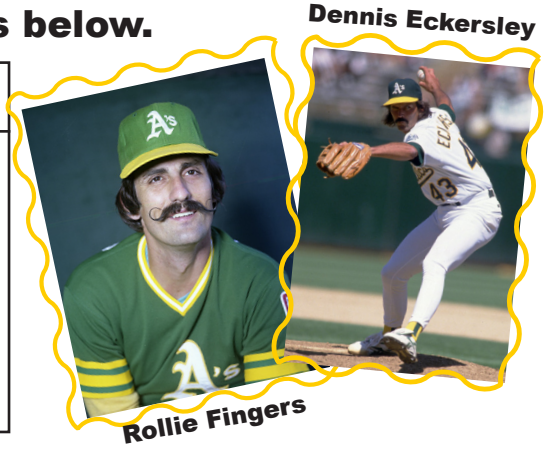
ROSS®

OAKLAND ATHLETICS™

PLAYER MATH

Use these measurements to solve the problems below.

Player	Height	Weight
Dennis Eckersley	6’2”	190 lbs
Rollie Fingers	6’4”	190 lbs
Rickey Henderson	5’10”	180 lbs
Catfish Hunter	6’0”	190 lbs
Reggie Jackson	6’0”	195 lbs



1. **What is the combined weight of Dennis Eckersley, Rollie Fingers and Reggie Jackson?**

2. **How many inches is Rollie Fingers taller than Rickey Henderson?**

3. **The A’s Sean Manaea weighs 245 pounds. Who is the closest player to his weight and by how many pounds?**

4. **Write the height of all the players from shortest to tallest.**

   _____

   _____

   _____

   _____

   _____

5. **What is the average weight of Rickey Henderson and Rollie Fingers?**

6. **What is the combined weight of all the players listed above?**

athletics.com™ ROSS® OAKLAND ATHLETICS™

ANSWER SHEET

3RD-4TH

TRADING CARD

1. _____
2. _____
3. _____
4. _____
5. _____

RICKEY HENDERSON

1. See workbook
2. _____
3. _____
4. _____
5. _____
6. _____

ROUNDING THE BASES

1. 73 Rounds to_____
2. 89 Rounds to_____
3. 24 Rounds to_____
4. 56 Rounds to_____
5. 12 Rounds to_____
6. 48 Rounds to_____

MULTIPLICATION TABLE

1. What shape did you create?

_____

BACKWARDS MULTIPLICATION

3. 10 ÷ 2 = _____
4. 12 ÷ 4 = _____
5. 20 ÷ 5 = _____
6. 18 ÷ 3 = _____

PLAYER MATH

1. _____
2. _____
3. _____

_____pounds

4. _____

_____

_____

_____

_____

5. _____
6. _____

CONGRATULATIONS!

athletics.com™

ROSS®

OAKLAND ATHLETICS™