

DOINGWHATWORKS



SAMPLE MATERIAL

Project-Based Learning

Foxfire Center for Student Success, Ohio

Topic: Dropout Prevention

Practice: Academic Supports

This document provides an example of one of the many project-based learning options that Foxfire Center for Student Success students can choose to complete to earn credits toward graduation. Students must complete the required core courses and pass the Ohio Graduation Tests before they can earn credits through project-based learning. The projects are developed to fully align with Ohio standards for each course. Project-based learning units provide opportunities for credit recovery. Students are able to complete a project at their own pace and receive elective credit. Teachers use rubrics to assess mastery of content. In this example students make a connection between sports and math. Students use tools to find perimeter, area, and volume and use game averages for a group of players to help understand statistics.

Sports Math

Students will make connection with the correlation between math and sports. They will be using tools to find area, perimeter, and volume. Students also will show an understanding in completing stats and game averages for a group of players. Using the data from the statistics, students will create and analyze different graphs and make conclusions.

Sports Math

1. What is the surface area and volume for a baseball, Men's basketball, soccer ball, tennis ball, golf ball, and hockey puck? (11 grade Measurement standard; 5)
2. It is 60 feet 6 inches from the pitcher's mound to home plate. How long does it take for a pitch to travel from the time it leaves the pitcher's hand to home plate if the pitcher throws a fastball 90 miles per hour? Assume the pitch leaves his hand directly over the pitching rubber even though, in reality, it leaves closer to home plate. (use the formula $d = rt$) (8th grade measurement standard; 2.)
3. Do the Sports Mystery Graph (7th Patterns, Functions and Algebra Standard; 5)
4. Stat Project (Grade 6 Number, Number Sense and Operations Standard: 4, 14, 15. Data Analysis and Probability Standard; 4)
5. Find the mean and median of points scored for Lewellen, Hartmeyer, Cox, Porter, and Lowe for all 11 games. Use the stat project. (8th grade Data Analysis and Probability; 4)
6. Make a line graph showing points for each game, for Lewellen, Hartmeyer, Cox, Porter, and Lowe for all 11 games. Use the stat project. (7th Grade Data Analysis and Probability; 1)
7. Minor League Mascots project (7th grade Number, Number Sense and Operations; 11)
8. Ticket project (7th Grade Number, Number Sense and Operations Standard; 6)
9. Minors to the Majors (7th grade Number, Number Sense and Operations Standard; 4)
10. Soccer Geometry Project (11 and 9 grade Measurement standard; 5, Geometry and Spatial Sense Standard; 10th grade/1)
11. Math in Sports Project (7th grade measurement; 4, also emphasized recognition of numerous 8th and 9th grade Math standards)

* The whole project has to be presented in a binder with labels correctly*

Sports Volume and Surface Area

Baseball (radius = 1.452 inches)

Surface Area _____

Volume _____

Men's Basketball (9.39 inches in diameter)

Surface Area _____

Volume _____

Soccer Ball (3.5 inches = Radius)

Surface Area _____

Volume _____

Tennis Ball (2.5 inches = Radius)

Surface Area _____

Volume _____

Golf Ball (1.68 inches in diameter)

Surface Area _____

Volume _____

Hockey Puck (3 inches in diameter and 1 inch in height)

Surface Area _____

Volume _____

**SPORTS MYSTERY GRAPH**

Plot the points on graph paper and see what you get

Connect points to the word **STOP**.

$(5,0)$ $(0,-8)$ $(-5,0)$ $(0,8)$ $(5,0)$ **STOP**

$(-10,0)$ $(-10,4)$ $(-3,11)$ $(3,11)$ $(10,4)$ $(10,0)$ **STOP**

$(4,0)$ $(3,0)$ $(3,-1)$ $(4,-1)$ $(4,0)$ **STOP**

$(-4,0)$ $(-3,0)$ $(-3,-1)$ $(-4,-1)$ $(-4,0)$ **STOP**

$(0,-6)$ $(\frac{1}{2}, -5\frac{1}{2})$ $(\frac{1}{2}, -5)$ $(-\frac{1}{2}, -5)$ $(-\frac{1}{2}, -5\frac{1}{2})$ $(0,-6)$ **STOP**

$(\frac{1}{2}, 6)$ $(-\frac{1}{2}, 6)$ $(-\frac{1}{2}, 5)$ $(\frac{1}{2}, 5)$ $(\frac{1}{2}, 6)$ **STOP**

What Did You Just Draw _____

General Math
Project # 2

Stats Now

Objective: You are the statistician for the 06 – 07 Maysville Boys Basketball team. It is your job to come up with the season totals and the game average for each player in every statistical category (minutes played, games played, points, 2ptm, 2pta, 3ptm, 3pta, , FTm, FTa, Or, Dr, Reb%, Ast, Blk, Stl, and To.) Also come up with the leader in each category for game average (example: the person who averages the most points a game.)

Standard:

Grade 6

Number, Number Sense and Operations Standard

4. Describe what it means to find a specific percent of a number using real-life examples.
14. Use proportional reasoning, ratios and percents to represent problem situations and determine the reasonableness of solutions.
15. Determine the percent of a number and related problems

Data Analysis and Probability Standard

5. Make logical inferences from statistical data

CROOKSVILLE

Visit vs Maysville 06-07
12/19/2006

Visit

	2-Pt		3-Pt		FT		Rebound			PF	Pts	A	TO	Bk	S	Min
	FG	FGA	FG	FGA	FT	FTA	O	D	Tl							
00 NoName	0-	0	2-	3	0-	0	4-	4-	8	0	6	0	0	0	0	32
00 NoName	0-	1	3-	6	2-	4	7-	9-	16	0	11	0	1	0	0	32
00 NoName	12-	32	3-	10	0-	0	1-	5-	6	2	33	0	1	0	5	32
00 NoName	0-	1	0-	0	6-	14	0-	0-	0	16	6	0	10	0	5	32
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	3	0	1	0	1	0	32
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	

CR Visit 12- 34 8- 19 8- 18 12-18-30 21 56 1 12 1 10

2PT Totals 1st Half 5- 15 33% 2nd Half 7- 19 36% Game 12- 34 35%
 3PT Totals 1st Half 3- 7 42% 2nd Half 5- 12 41% Game 8- 19 42%
 FT Totals 1st Half 4- 8 50% 2nd Half 4- 10 40% Game 8- 18 44%
 Dead Ball Rebounds: 7

Maysville 06-07

	2-Pt		3-Pt		FT		Rebound			PF	Pts	A	TO	Bk	S	Min
	FG	FGA	FG	FGA	FT	FTA	O	D	Tl							
00 Lewellen	1-	2	1-	3	1-	1	1-	3-	4	0	6	0	0	0	1	13
03 Cox	3-	5	0-	1	3-	6	0-	1-	1	0	9	2	3	0	4	26
14 SIMS	0-	2	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	7
12 Porter	5-	5	0-	0	2-	2	1-	2-	3	2	12	0	1	1	1	19
13 Miller	0-	0	0-	1	0-	0	0-	2-	2	1	0	1	1	0	0	16
11 Hayes	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
20 Denman	1-	2	1-	2	3-	7	0-	2-	2	2	8	0	1	0	1	11
22 Calihan	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
23 Hartmeyer	1-	5	1-	3	9-	10	0-	3-	3	0	14	0	6	1	0	22
34 Hammers	0-	0	0-	0	0-	0	0-	0-	0	1	0	1	1	0	0	6
42 SIDWELL	3-	6	0-	0	3-	6	2-	4-	6	1	9	1	0	2	0	19
54 Lowe	4-	9	0-	0	2-	2	1-	6-	7	5	10	1	3	4	0	21
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	

MA Maysville 06-07 18- 36 3- 10 23- 34 5-23-28 12 68 6 16 8 7

2PT Totals 1st Half 8- 17 47% 2nd Half 10- 19 52% Game 18- 36 50%

@PHILO

Maysville 06-07 vs PHILO
01/09/2007

Maysville 06-07

	2-Pt		3-Pt		FT		Rebound			PF	Pts	A	TO	Bk	S	Min
	FG	FGA	FG	FGA	FT	FTA	O	D	T							
00 Lewellen	2-	6	1-	4	2-	2	5-	4-	9	1	9	1	3	0	0	28
03 Cox	1-	3	2-	6	2-	2	0-	2-	2	1	10	1	1	0	0	28
14 SIMS	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
12 Porter	3-	4	0-	0	6-	6	2-	10-	12	2	12	0	0	1	0	26
13 Miller	0-	0	0-	0	0-	0	0-	0-	0	0	0	1	1	0	0	13
11 Hayes	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
20 Denman	0-	0	0-	1	0-	0	0-	0-	0	0	0	0	1	0	0	4
22 Calihan	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
23 Hartmeyer	4-	7	0-	0	0-	0	0-	0-	0	0	8	5	1	0	1	27
34 Hammers	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
42 SIDWELL	1-	4	0-	0	0-	0	1-	0-	1	0	2	0	0	0	1	8
54 Lowe	3-	5	0-	0	1-	2	1-	5-	6	2	7	0	2	3	0	26
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	
MA Maysville 06-07	14-	29	3-	11	11-	12	9-	21-	30	6	48	8	9	4	2	

2PT Totals 1st Half 8- 14 57% 2nd Half 6- 15 40% Game 14- 29 48%
 3PT Totals 1st Half 0- 6 0% 2nd Half 3- 5 60% Game 3- 11 27%
 FT Totals 1st Half 0- 0 --% 2nd Half 11- 12 91% Game 11- 12 91%
 Dead Ball Rebounds: 2

PHILO

	2-Pt		3-Pt		FT		Rebound			PF	Pts	A	TO	Bk	S	Min
	FG	FGA	FG	FGA	FT	FTA	O	D	T							
00 NoName	0-	0	1-	2	0-	0	3-	0-	3	0	3	0	0	0	0	32
00 NoName	1-	3	0-	3	0-	0	2-	6-	8	0	2	0	0	0	0	32
00 NoName	13-	27	2-	9	0-	0	2-	6-	8	1	32	0	0	0	1	32
00 NoName	0-	0	0-	0	2-	3	0-	1-	1	8	2	0	4	0	2	32
00 NoName	0-	0	0-	0	1-	3	0-	0-	0	1	1	0	3	0	0	32
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	
PH PHILO	14-	30	3-	14	3-	6	7-	13-	20	10	40	0	7	0	3	

2PT Totals 1st Half 7- 13 53% 2nd Half 7- 17 41% Game 14- 30 46%
 3PT Totals 1st Half 3- 7 42% 2nd Half 0- 7 0% Game 3- 14 21%
 FT Totals 1st Half 0- 0 --% 2nd Half 3- 6 50% Game 3- 6 50%
 Dead Ball Rebounds: 2

@NL

Maysville 06-07 vs new lex
12/09/2006

Maysville 06-07

	2-Pt		3-Pt		FT		Rebound			PF	Pts	A	TO	Bk	S	Min
	FG	FGA	FG	FGA	FT	FTA	O	D	Tl							
00 Lewellen	4-	8	0-	4	0-	0	1-	3-	4	1	8	0	2	0	0	27
03 Cox	3-	6	0-	2	0-	2	1-	3-	4	1	6	0	3	0	0	27
14 SIMS	0-	0	0-	0	0-	0	1-	0-	1	3	0	0	0	0	0	9
12 Porter	4-	7	0-	1	2-	5	7-	5-	12	2	10	1	1	0	0	32
13 Miller	0-	1	0-	1	0-	0	0-	1-	1	0	0	0	3	0	0	11
11 Hayes	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
20 Denman	0-	0	0-	2	0-	0	0-	0-	0	2	0	0	1	0	0	5
22 Calihan	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	0+
23 Hartmeyer	2-	6	0-	1	2-	2	0-	1-	1	2	6	2	4	0	0	12
34 Hammers	0-	0	0-	0	0-	0	0-	1-	1	1	0	0	0	0	0	3
42 SIDWELL	0-	1	0-	1	0-	0	1-	1-	2	1	0	0	0	0	0	7
54 Lowe	4-	6	0-	0	0-	2	1-	6-	7	4	8	0	6	4	0	27
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	
MA Maysville 06-07	17-	35	0-	12	4-	11	12-	21-	33	17	38	3	20	4	0	
2PT Totals 1st Half	10-	16	62%		2nd Half		7-	19	36%	Game	17-	35	48%			
3PT Totals 1st Half	0-	8	0%		2nd Half		0-	4	0%	Game	0-	12	0%			
FT Totals 1st Half	0-	2	0%		2nd Half		4-	9	44%	Game	4-	11	36%			
Dead Ball Rebounds: 13																

new lex

	2-Pt		3-Pt		FT		Rebound			PF	Pts	A	TO	Bk	S	Min
	FG	FGA	FG	FGA	FT	FTA	O	D	Tl							
00 NoName	1-	1	0-	1	0-	0	1-	2-	3	0	2	0	0	0	1	32
00 NoName	0-	0	1-	5	0-	0	2-	9-	11	0	3	0	0	0	3	32
00 NoName	14-	26	0-	9	1-	4	6-	6-	12	2	29	0	1	1	5	32
00 NoName	2-	8	0-	1	9-	12	0-	1-	1	12	13	0	6	0	1	32
00 NoName	0-	0	0-	0	2-	4	0-	0-	0	1	2	0	1	0	0	32
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	
nl new lex	17-	35	1-	16	12-	20	9-	18-	27	15	49	0	8	1	10	
2PT Totals 1st Half	6-	18	33%		2nd Half		11-	17	64%	Game	17-	35	48%			
3PT Totals 1st Half	1-	10	10%		2nd Half		0-	6	0%	Game	1-	16	6%			
FT Totals 1st Half	3-	6	50%		2nd Half		9-	14	64%	Game	12-	20	60%			
Dead Ball Rebounds: 5																

@JG1

Maysville 06-07 vs Home
12/22/2006

Maysville 06-07

	2-Pt		3-Pt		FT		Rebound									
	FG	FGA	FG	FGA	FT	FTA	O	D	Tl	PF	Pts	A	TO	Bk	S	Min
00 Lewellen	2-	4	1-	4	1-	2	3-	1-	4	1	8	3	1	0	0	22
03 Cox	1-	3	0-	1	0-	0	0-	1-	1	0	2	1	1	0	2	22
14 SIMS	0-	0	0-	0	0-	0	0-	1-	1	1	0	0	1	0	1	10
12 Porter	5-	5	0-	0	3-	4	1-	4-	5	2	13	1	0	0	0	23
13 Miller	0-	0	0-	1	0-	0	0-	0-	0	0	0	0	1	0	0	10
11 Hayes	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
20 Denman	0-	0	0-	1	0-	0	0-	1-	1	1	0	0	0	0	0	9
22 Calihan	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
23 Hartmeyer	5-	9	3-	4	2-	2	0-	2-	2	0	21	1	6	0	1	23
34 Hammers	1-	1	0-	0	0-	0	0-	1-	1	1	2	0	0	1	0	8
42 SIDWELL	1-	4	0-	0	0-	1	0-	2-	2	1	2	0	1	0	0	12
54 Lowe	1-	4	0-	0	0-	0	2-	1-	3	3	2	1	1	0	0	22
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	

MA Maysville 06-07	16- 30	4- 11	6- 9	6-14-20	10	50	7	12	1	4
--------------------	--------	-------	------	---------	----	----	---	----	---	---

2PT Totals 1st Half	9- 14	64%	2nd Half	7- 16	43%	Game	16- 30	53%
---------------------	-------	-----	----------	-------	-----	------	--------	-----

3PT Totals 1st Half	2- 5	40%	2nd Half	2- 6	33%	Game	4- 11	36%
---------------------	------	-----	----------	------	-----	------	-------	-----

FT Totals 1st Half	0- 0	--%	2nd Half	6- 9	66%	Game	6- 9	66%
--------------------	------	-----	----------	------	-----	------	------	-----

Dead Ball Rebounds: 5

Home

	2-Pt		3-Pt		FT		Rebound									
	FG	FGA	FG	FGA	FT	FTA	O	D	Tl	PF	Pts	A	TO	Bk	S	Min
00 NoName	0-	1	1-	6	0-	0	2-	3-	5	0	3	0	0	0	0	32
00 NoName	2-	3	2-	4	1-	2	6-	7-	13	0	11	0	0	0	0	32
00 NoName	10-	23	2-	7	0-	0	3-	2-	5	3	26	1	4	0	3	32
00 NoName	0-	0	0-	0	7-	9	2-	0-	2	7	7	1	4	0	1	32
00 NoName	0-	0	0-	0	1-	2	0-	0-	0	0	1	0	0	0	0	32
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	

JG Home	12- 27	5- 17	9- 13	13-12-25	10	48	2	8	0	4
---------	--------	-------	-------	----------	----	----	---	---	---	---

2PT Totals 1st Half	4- 13	30%	2nd Half	8- 14	57%	Game	12- 27	44%
---------------------	-------	-----	----------	-------	-----	------	--------	-----

NL

NEW LEX vs Maysville 06-07
01/12/2007

NEW LEX

	2-Pt FG FGA	3-Pt FG FGA	FT FT FTA	Rebound O D Tl	PF	Pts	A	TO	Bk	S	Min
00 NoName	0- 0	3- 6	0- 0	3- 2- 5	0	9	0	0	0	0	32
00 NoName	0- 1	2- 4	0- 0	3- 6- 9	0	6	0	0	0	1	32
00 NoName	13- 28	1- 7	0- 0	2- 5- 7	0	29	0	0	0	3	32
00 NoName	0- 1	1- 1	5- 9	0- 0- 0	3	8	0	3	4	0	32
00 NoName	0- 0	0- 0	4- 4	0- 1- 1	4	4	0	2	3	0	32
00 NoName	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
00 NoName	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
Team	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	

NL NEW LEX	13- 30	7- 18	9- 13	8-14-22	7	56	0	5	7	4	
------------	--------	-------	-------	---------	---	----	---	---	---	---	--

2PT Totals 1st Half	5- 15	33%	2nd Half	8- 15	53%	Game	13- 30	43%
3PT Totals 1st Half	5- 12	41%	2nd Half	2- 6	33%	Game	7- 18	38%
FT Totals 1st Half	1- 2	50%	2nd Half	8- 11	72%	Game	9- 13	69%
Dead Ball Rebounds:						2		

Maysville 06-07

	2-Pt FG FGA	3-Pt FG FGA	FT FT FTA	Rebound O D Tl	PF	Pts	A	TO	Bk	S	Min
00 Lewellen	2- 3	1- 2	3- 5	2- 5- 7	3	10	1	2	0	0	26
03 Cox	0- 4	0- 3	0- 0	0- 1- 1	1	0	5	6	0	1	32
14 SIMS	0- 0	0- 0	0- 0	0- 0- 0	1	0	0	0	0	0	6
12 Porter	6- 9	0- 0	2- 2	5- 9-14	3	14	1	2	1	0	32
13 Miller	0- 0	0- 2	0- 0	0- 1- 1	1	0	0	0	1	0	6
11 Hayes	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
20 Denman	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	0+
22 Calihan	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
23 Hartmeyer	3- 8	1- 3	0- 0	0- 1- 1	3	9	3	2	0	0	29
34 Hammers	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
42 SIDWELL	2- 2	0- 0	0- 0	0- 0- 0	0	4	0	1	0	0	6
54 Lowe	5- 7	0- 0	1- 3	3- 3- 6	0	11	1	1	0	1	23
Team	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	

MA Maysville 06-07	18- 33	2- 10	6- 10	10-20-30	12	48	11	14	2	2	
--------------------	--------	-------	-------	----------	----	----	----	----	---	---	--

2PT Totals 1st Half	12- 18	66%	2nd Half	6- 15	40%	Game	18- 33	54%
3PT Totals 1st Half	0- 5	0%	2nd Half	2- 5	40%	Game	2- 10	20%
FT Totals 1st Half	3- 5	60%	2nd Half	3- 5	60%	Game	6- 10	60%
Dead Ball Rebounds:						5		

@NY

Visit vs Maysville 06-07
12/16/2006

Visit

	2-Pt FG FGA	3-Pt FG FGA	FT FT FTA	Rebound O D Tl	PF	Pts	A	TO	Bk	S	Min
00 NoName	0- 0	0- 0	0- 0	0- 1- 1	0	0	0	0	0	1	32
00 NoName	1- 8	1- 2	0- 0	4- 7-11	1	5	1	3	0	1	32
00 NoName	13- 28	4- 9	4- 6	3- 7-10	2	42	0	2	0	1	32
00 NoName	0- 0	0- 0	7- 9	0- 3- 3	7	7	0	2	0	1	32
00 NoName	0- 0	0- 0	1- 3	0- 0- 0	0	1	0	0	0	0	32
00 NoName	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
00 NoName	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
Team	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	

VT Visit	14- 36	5- 11	12- 18	7-18-25	10	55	1	7	0	4
----------	--------	-------	--------	---------	----	----	---	---	---	---

2PT Totals 1st Half	7- 16	43%	2nd Half	7- 20	35%	Game	14- 36	38%
3PT Totals 1st Half	3- 8	37%	2nd Half	2- 3	66%	Game	5- 11	45%
FT Totals 1st Half	3- 3	100%	2nd Half	9- 15	60%	Game	12- 18	66%

Dead Ball Rebounds: 6

Maysville 06-07

	2-Pt FG FGA	3-Pt FG FGA	FT FT FTA	Rebound O D Tl	PF	Pts	A	TO	Bk	S	Min
00 Lewellen	1- 1	2- 5	1- 2	0- 2- 2	3	9	0	2	0	0	21
03 Cox	2- 3	0- 3	2- 2	0- 1- 1	4	6	3	3	0	0	25
14 SIMS	0- 0	0- 1	0- 0	0- 1- 1	0	0	0	1	0	1	8
12 Porter	0- 0	0- 1	0- 0	0- 3- 3	3	0	0	0	0	0	16
13 Miller	0- 0	0- 1	0- 0	0- 2- 2	0	0	0	0	0	0	12
11 Hayes	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
20 Denman	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
22 Calihan	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
23 Hartmeyer	6- 10	3- 3	0- 0	0- 6- 6	0	21	0	2	0	2	32
34 Hammers	1- 2	0- 0	0- 0	0- 0- 0	0	2	0	1	0	0	5
42 SIDWELL	3- 7	0- 0	0- 0	3- 3- 6	5	6	1	0	1	1	19
54 Lowe	3- 7	0- 0	2- 3	1- 1- 2	1	8	0	2	1	0	23
Team	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	

MA Maysville 06-07	16- 30	5- 14	5- 7	4-19-23	16	52	4	11	2	4
--------------------	--------	-------	------	---------	----	----	---	----	---	---

2PT Totals 1st Half	6- 12	50%	2nd Half	10- 18	55%	Game	16- 30	53%
3PT Totals 1st Half	2- 8	25%	2nd Half	3- 6	50%	Game	5- 14	35%
FT Totals 1st Half	3- 4	75%	2nd Half	2- 3	66%	Game	5- 7	71%

Dead Ball Rebounds: 5

MORGAN

visit vs Maysville 06-07
12/12/2006

Visit

	2-Pt		3-Pt		FT		Rebound			PF	Pts	A	TO	Bk	S	Min
	FG	FGA	FG	FGA	FT	FTA	O	D	Tl							
00 NoName	0-	0	2-	4	0-	0	1-	2-	3	0	6	0	0	0	0	32
00 NoName	3-	5	3-	10	0-	0	3-	10-	13	0	15	0	2	0	1	32
00 NoName	14-	32	5-	11	4-	7	4-	7-	11	2	47	0	4	0	4	32
00 NoName	1-	3	0-	0	8-	12	2-	3-	5	11	10	0	3	1	1	32
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	32
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	32
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	
VT Visit	18-	40	10-	25	12-	19	10-	22-	32	13	78	0	9	1	6	

2PT Totals 1st Half	8-	18	44%	2nd Half	10-	22	45%	Game	18-	40	45%
3PT Totals 1st Half	6-	14	42%	2nd Half	4-	11	36%	Game	10-	25	40%
FT Totals 1st Half	2-	3	66%	2nd Half	10-	16	62%	Game	12-	19	63%
Dead Ball Rebounds:											5

Maysville 06-07

	2-Pt		3-Pt		FT		Rebound			PF	Pts	A	TO	Bk	S	Min
	FG	FGA	FG	FGA	FT	FTA	O	D	Tl							
00 Lewellen	3-	4	1-	4	0-	3	2-	3-	5	1	9	0	1	0	0	18
03 Cox	2-	5	2-	4	0-	1	3-	2-	5	1	10	1	6	0	0	23
14 SIMS	0-	1	0-	1	0-	0	0-	1-	1	1	0	2	2	0	0	12
12 Porter	3-	3	0-	0	1-	2	1-	8-	9	0	7	0	1	0	0	27
13 Miller	0-	0	1-	6	3-	6	1-	2-	3	1	6	0	1	0	1	15
11 Hayes	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
20 Denman	0-	1	1-	3	0-	0	0-	2-	2	0	3	0	2	0	0	10
22 Calihan	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
23 Hartmeyer	3-	8	1-	3	4-	4	0-	3-	3	1	13	3	3	0	1	16
34 Hammers	0-	1	0-	0	0-	0	2-	3-	5	3	0	0	0	1	1	9
42 SIDWELL	1-	2	0-	1	2-	4	0-	0-	0	2	4	0	1	1	0	8
54 Lowe	2-	6	0-	0	4-	5	4-	3-	7	2	8	0	3	1	0	21
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	
MA Maysville 06-07	14-	31	6-	22	14-	25	13-	27-	40	12	60	6	20	3	3	

2PT Totals 1st Half	7-	17	41%	2nd Half	7-	14	50%	Game	14-	31	45%
3PT Totals 1st Half	2-	10	20%	2nd Half	4-	12	33%	Game	6-	22	27%
FT Totals 1st Half	7-	11	63%	2nd Half	7-	14	50%	Game	14-	25	56%
Dead Ball Rebounds:											11

WARREN

Visit vs Maysville 06-07
12/27/2006

Visit

	2-Pt		3-Pt		FT		Rebound			PF	Pts	A	TO	Bk	S	Min
	FG	FGA	FG	FGA	FT	FTA	O	D	Tl							
00 NoName	0-	0	0-	1	0-	0	1-	5-	6	0	0	0	0	0	0	32
00 NoName	1-	3	1-	4	0-	1	1-	5-	6	1	5	1	0	0	1	32
00 NoName	17-	35	2-	3	2-	4	1-	5-	6	3	42	0	1	0	3	32
00 NoName	0-	0	0-	0	6-	10	0-	1-	1	7	6	1	4	0	3	32
00 NoName	0-	0	0-	0	1-	2	0-	0-	0	3	1	0	0	0	0	32
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	

WA Visit 18- 38 3- 8 9- 17 3-16-19 14 54 2 5 0 7

2PT Totals 1st Half 11- 19 57% 2nd Half 7- 19 36% Game 18- 38 47%
 3PT Totals 1st Half 3- 5 60% 2nd Half 0- 3 0% Game 3- 8 37%
 FT Totals 1st Half 1- 2 50% 2nd Half 8- 15 53% Game 9- 17 52%
 Dead Ball Rebounds: 6

Maysville 06-07

	2-Pt		3-Pt		FT		Rebound			PF	Pts	A	TO	Bk	S	Min
	FG	FGA	FG	FGA	FT	FTA	O	D	Tl							
00 Lewellen	2-	3	1-	4	2-	2	1-	1-	2	1	9	0	2	0	0	20
03 Cox	4-	6	0-	4	0-	0	0-	3-	3	2	8	1	3	0	2	24
14 SIMS	0-	1	0-	0	0-	0	0-	1-	1	1	0	0	4	0	0	8
12 Porter	1-	4	0-	0	3-	4	6-	7-	13	5	5	1	1	0	2	25
13 Miller	0-	0	0-	1	0-	0	0-	0-	0	2	0	0	0	0	0	12
11 Hayes	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
20 Denman	0-	0	0-	1	0-	0	0-	1-	1	0	0	0	0	0	0	5
22 Calihan	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
23 Hartmeyer	4-	9	0-	2	0-	0	0-	4-	4	2	8	4	1	0	0	27
34 Hammers	2-	2	0-	0	0-	1	2-	1-	3	1	4	1	1	1	0	7
42 SIDWELL	1-	4	0-	0	0-	2	3-	1-	4	1	2	0	0	0	0	10
54 Lowe	5-	18	0-	0	2-	2	2-	3-	5	2	12	0	1	4	0	22
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	

MA Maysville 06-07 19- 47 1- 12 7- 11 14-22-36 17 48 7 13 5 4

2PT Totals 1st Half 7- 18 38% 2nd Half 12- 29 41% Game 19- 47 40%

TV

TRI VALLEY vs Maysville 06-07
01/05/2007

TRI VALLEY

	2-Pt FG FGA	3-Pt FG FGA	FT FT FTA	Rebound O D Tl	PF	Pts	A	TO	Bk	S	Min
00 NoName	0- 0	0- 0	0- 0	5- 3- 8	0	0	0	0	0	0	32
00 NoName	1- 2	1- 3	1- 1	7- 7-14	0	6	0	0	0	0	32
00 NoName	16- 38	1- 6	0- 2	3- 4- 7	0	35	0	1	1	5	32
00 NoName	5- 6	1- 1	2- 4	1- 0- 1	8	15	0	4	0	2	32
00 NoName	0- 0	0- 0	3- 6	0- 0- 0	4	3	0	0	0	0	32
00 NoName	0- 0	0- 0	0- 0	1- 0- 1	2	0	0	0	0	0	6
00 NoName	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
Team	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	

TV TRI VALLEY 22- 46 3- 10 6- 13 17-14-31 14 59 0 5 1 7

2PT Totals 1st Half 12- 25 48% 2nd Half 10- 21 47% Game 22- 46 47%
 3PT Totals 1st Half 0- 6 0% 2nd Half 3- 4 75% Game 3- 10 30%
 FT Totals 1st Half 1- 7 14% 2nd Half 5- 6 83% Game 6- 13 46%
 Dead Ball Rebounds: 6

Maysville 06-07

	2-Pt FG FGA	3-Pt FG FGA	FT FT FTA	Rebound O D Tl	PF	Pts	A	TO	Bk	S	Min
00 Lewellen	4- 5	0- 1	3- 5	3- 4- 7	1	11	0	4	0	1	23
03 Cox	2- 3	0- 3	0- 2	0- 1- 1	0	4	1	4	0	0	29
14 SIMS	0- 2	0- 0	1- 2	1- 0- 1	1	1	0	0	0	0	11
12 Porter	0- 1	0- 0	0- 0	0- 6- 6	3	0	0	1	0	0	26
13 Miller	0- 0	1- 2	0- 0	0- 2- 2	2	3	0	2	0	0	11
11 Hayes	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
20 Denman	0- 2	0- 0	0- 0	0- 1- 1	1	0	0	2	0	0	14
22 Calihan	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
23 Hartmeyer	0- 2	0- 0	0- 0	0- 0- 0	0	0	0	4	0	0	14
34 Hammers	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	DNP
42 SIDWELL	0- 2	0- 3	0- 0	1- 1- 2	3	0	1	1	0	0	13
54 Lowe	3- 4	0- 0	0- 0	0- 0- 0	3	6	0	1	1	0	18
Team	0- 0	0- 0	0- 0	0- 0- 0	0	0	0	0	0	0	

MA Maysville 06-07 9- 21 1- 9 4- 9 5-15-20 14 25 2 19 1 1

2PT Totals 1st Half 4- 8 50% 2nd Half 5- 13 38% Game 9- 21 42%

@SHERIDAN

Maysville 06-07 vs Home
01/02/2007

Maysville 06-07

	2-Pt		3-Pt		FT		Rebound									
	FG	FGA	FG	FGA	FT	FTA	O	D	Tl	PF	Pts	A	TO	Bk	S	Min
00 Lewellen	2-	4	2-	2	2-	2	0-	1-	1	3	12	2	3	0	1	20
03 Cox	2-	4	0-	1	0-	0	1-	0-	1	0	4	5	0	0	1	23
14 SIMS	0-	0	0-	0	0-	0	0-	1-	1	2	0	0	1	0	1	10
12 Porter	2-	2	0-	0	0-	1	0-	6-	6	0	4	0	1	0	0	21
13 Miller	0-	2	1-	3	1-	2	2-	0-	2	1	4	2	0	0	0	15
11 Hayes	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
20 Denman	1-	2	0-	1	0-	0	0-	1-	1	1	2	0	1	0	0	13
22 Calihan	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
23 Hartmeyer	1-	5	1-	2	0-	2	0-	0-	0	2	5	3	3	0	0	23
34 Hammers	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
42 SIDWELL	1-	4	1-	1	0-	0	0-	1-	1	4	5	0	1	0	0	12
54 Lowe	4-	7	0-	0	2-	3	1-	0-	1	2	10	0	3	0	0	22
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	
MA Maysville 06-07	13-	30	5-	10	5-	10	4-	10-	14	15	46	12	13	0	3	
2PT Totals 1st Half	4-	9	44%		2nd Half		9-	21	42%		Game	13-	30	43%		
3PT Totals 1st Half	2-	3	66%		2nd Half		3-	7	42%		Game	5-	10	50%		
FT Totals 1st Half	1-	4	25%		2nd Half		4-	6	66%		Game	5-	10	50%		
										Dead Ball Rebounds:		8				

Home

	2-Pt		3-Pt		FT		Rebound									
	FG	FGA	FG	FGA	FT	FTA	O	D	Tl	PF	Pts	A	TO	Bk	S	Min
00 NoName	0-	0	0-	1	0-	0	6-	10-	16	0	0	0	0	0	0	32
00 NoName	3-	9	0-	4	0-	0	3-	8-	11	0	6	0	0	0	0	32
00 NoName	18-	27	1-	4	1-	2	1-	0-	1	1	40	0	4	0	4	32
00 NoName	1-	1	0-	0	9-	14	0-	0-	0	8	11	0	2	0	0	32
00 NoName	0-	0	0-	0	2-	4	0-	0-	0	3	2	0	1	0	0	32
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	
SH Home	22-	37	1-	9	12-	20	10-	18-	28	12	59	0	7	0	4	
2PT Totals 1st Half	10-	18	55%		2nd Half		12-	19	63%		Game	22-	37	59%		

WM

WEST MUSKINGUM vs Maysville 06-07
12/08/2006

WEST MUSKINGUM

	2-Pt		3-Pt		FT		Rebound			PF	Pts	A	TO	Bk	S	Min
	FG	FGA	FG	FGA	FT	FTA	O	D	T							
00 NoName	2-	2	0-	0	0-	0	1-	0-	1	0	4	0	0	0	0	32
00 NoName	4-	6	1-	1	0-	0	2-	11-	13	1	11	0	1	0	1	32
00 NoName	9-	29	0-	1	0-	0	6-	7-	13	3	18	0	5	0	1	32
00 NoName	5-	6	0-	1	2-	4	1-	2-	3	5	12	0	3	0	0	32
00 NoName	0-	0	0-	0	7-	10	0-	1-	1	1	7	0	0	0	0	32
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
00 NoName	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	

WM WEST MUSKINGUM 20- 43 1- 3 9- 14 10-21-31 10 52 0 9 0 2

2PT Totals 1st Half 12- 23 52% 2nd Half 8- 20 40% Game 20- 43 46%

3PT Totals 1st Half 0- 0 --% 2nd Half 1- 3 33% Game 1- 3 33%

FT Totals 1st Half 0- 0 --% 2nd Half 9- 14 64% Game 9- 14 64%

Dead Ball Rebounds: 11

Maysville 06-07

	2-Pt		3-Pt		FT		Rebound			PF	Pts	A	TO	Bk	S	Min
	FG	FGA	FG	FGA	FT	FTA	O	D	T							
00 Lewellen	0-	2	0-	2	0-	0	0-	1-	1	0	0	0	1	0	1	25
03 Cox	1-	4	1-	2	0-	0	0-	1-	1	0	5	0	2	0	0	26
14 SIMS	0-	2	0-	0	0-	0	1-	0-	1	1	0	0	0	0	0	12
12 Porter	0-	3	0-	0	0-	0	0-	2-	2	2	0	0	2	0	0	12
13 Miller	0-	0	0-	3	0-	0	0-	1-	1	2	0	0	2	0	2	21
11 Hayes	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
20 Denman	1-	1	1-	2	0-	0	1-	0-	1	0	5	0	1	0	0	14
22 Calihan	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	0	DNP
23 Hartmeyer	4-	7	1-	2	2-	2	0-	0-	0	2	13	0	2	0	0	20
34 Hammers	1-	2	0-	0	0-	0	1-	2-	3	1	2	1	0	0	0	11
42 SIDWELL	0-	0	1-	2	0-	0	0-	0-	0	1	3	0	0	0	0	3
54 Lowe	2-	6	0-	0	1-	1	0-	0-	0	1	5	0	2	0	0	15
Team	0-	0	0-	0	0-	0	0-	0-	0	0	0	0	0	0	1	

MA Maysville 06-07 9- 27 4- 13 3- 3 3- 7-10 10 33 1 12 0 4

Points Median, Mean, and Mode

Lewellen

Mean _____

Median _____

Mode _____

Lowe

Mean _____

Median _____

Mode _____

Hartmeyer

Mean _____

Median _____

Mode _____

Porter

Mean _____

Median _____

Mode _____

Cox

Mean _____

Median _____

Mode _____



MINOR LEAGUE MASCOTS

(Matching Fractions with Decimal Equivalents)

The Southern League is made up of 10 minor league AA baseball teams. Three of these teams make their homes in Tennessee. Match the southern city with its minor league mascot by matching the fraction with its decimal equivalent.

_____ 1. Birmingham	$1/8$	a. Suns	1.333...
_____ 2. Carolina	$5/7$	b. Barons	.125
_____ 3. Chattanooga	$2/3$	c. Stars	.833...
_____ 4. Greenville	$4/9$	d. Baybears	3.333...
_____ 5. Huntsville	$5/6$	e. Smokies	2.625
_____ 6. Jacksonville	$1 \frac{1}{3}$	f. Braves	.444...
_____ 7. Knoxville	$2 \frac{5}{8}$	g. Mudcats	.71
_____ 8. West Tenn	$6/4$	h. Rays	12.875
_____ 9. Mobile	$20/6$	i. Lookouts	.666...
_____ 10. Orlando	$103/8$	j. Diamond Jaxx	1.5



NASHVILLE SOUNDS TICKET INFORMATION

Multi-ticket Packages Single Ticket Prices

Full-Season Ticket \$396 Blue \$7

Weekend Season \$216 Red \$3

Pick-a-Date Pkg \$70

For further information, telephone the Sounds' Ticket Office (615) 242-4371

_____ 1. The Nashville Sounds offer full-season tickets for \$396. There are 72 home games this season. What is the price of each ticket?

_____ 2. Single reserve ticket prices to Sounds games are \$7 each. How much would you save on each ticket if you purchase a full-season ticket?

_____ 3. How much would you save in a season if you purchased a full-season ticket?

_____ 4. General admission tickets to Sounds games sell for \$3 each. How much would you save in a season by purchasing general admission tickets instead of a full-season ticket?

_____ 5. The Sounds also guarantee your admission to all Friday, Saturday and Sunday games with a "weekend season" ticket. Thirty-six home games will be played on the weekend. What is the admission price for each game when you purchase a "weekend season" ticket?

_____ 6. How much will you save by purchasing a "weekend season" ticket instead of purchasing individual tickets?

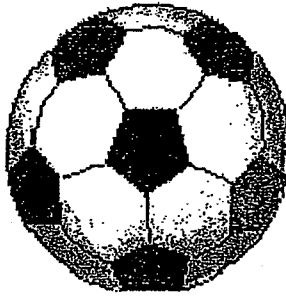
_____ 7. To promote ticket sales, the Sounds also offer "Pick a Date" books at \$70

each. This package allows you to get 12 tickets to use any time during the season. What is the price of each ticket in this package?

_____ 8. How much would you save by purchasing a "Pick a Date" book rather than paying for individual tickets to 12 games?

_____ 9. A local little league team consisting of 13 players and 3 coaches would like to attend a Sounds game. How much will they pay for reserve admission to the game?

_____ 10. How much would the same team save if they purchased general admission tickets?



Soccer Geometry

You may want to use a soccer ball for this exercise.

- 1. What shape is a soccer ball?**
- 2. What polygons are on a soccer ball?**
- 3. Are they regular polygons?**
- 4. A soccer ball measures 27 to 28 inches in circumference. Calculate the equivalent number of centimeters?**
- 5. Determine the surface area of the soccer ball, using the formula for surface area of a sphere. $A=4/3\pi r^2$ in inches and centimeters.**
- 6. Calculate the volume of the soccer ball. $V=4/3\pi r^3$**
- 7. Soccer field sizes vary from 100 to 130 yards long (touch lines) and 50 to 100 yards wide (goal lines). Convert these measurements to meters.**
- 8. Goals are in the center of the goal lines. The distance between the goalposts is 24 ft.; these are joined at the top by a crossbar that is 8 ft. above ground. Express the distance between the goalposts in yards and meters. Express the height above the ground in meters.**

9. The goalkeeper cannot be charged in the goal area which is a rectangular area 20 yards wide and extending 6 yards in front of the goal. Calculate this rectangular area.

10. The penalty area, in front of the goal measures 44 yards wide and extends 18 yards in front of the goal. Calculate this rectangular area.

11. The kickoff is from the center spot which is a point in the middle of the halfway line. Opponents must be at least 10 yards away from the ball. What would be the circumference of this circle? What is the area of this circle?

12. On a sheet of unlined paper, make a scale drawing of a soccer field. Include goals, goal area, penalty area, halfway line, and kickoff circle.



FROM THE MINORS TO THE MAJOR LEAGUES

(Order of Operations)

Tennessee is home to three AA minor league baseball teams. Solve the problems below and match each minor league team with its major league affiliate:

West Division

_____ 1. Birmingham Barons a. Pittsburgh Pirates 12

$$5 \times (2 + 7)$$

_____ 2. Huntsville Stars b. Cincinnati Reds 34

$$4 \times 6 / 3$$

_____ 3. West Tenn Diamond Jaxx c. Toronto Blue Jays 27

$$(9 - 3) \times 7$$

_____ 4. Chattanooga Lookouts d. San Diego Padres 39

$$7 + 3 \times 9$$

_____ 5. Knoxville Smokies e. Oakland Athletics 8

$$3 \times 7 + 12 / 2$$

East Division

_____ 6. Carolina Mudcats f. Seattle Mariners 567

$$36 / 9 + 8$$

_____ 7. Greenville Braves g. Detroit Tigers 15

$$12 / 4 + 24 / 8$$

_____ 8. Orlando Rays h. Chicago White Sox 45

$$9^2 \times (14 / 2)$$

_____ 9. Jacksonville Suns i. Atlanta Braves 6

$$8 + 8 / 2 + 3$$

_____ 10. Mobile Baybears j. Chicago Cubs 42

$$(18 - 5) \times 3$$

Math in Sports: Intro

Math is all around us. It is in our lives every day, even in the games we play. You will be doing a research project to find out how math is related to a sport of your choice.

Task:

- You will research a sport (baseball, soccer, football, bowling, etc.) and find out as many ways as you can that math relates to your sport.
- You will then; construct a three-dimensional model of the playing field (this can be out of clay, popsicle sticks, or whatever you want, but it has to be to scale (Example 1 inch = 10 feet, if your doing a football field, and you know a foot ball field is 300 feet long then your project field should be 30 inches long).
- Then you will write a short report (1-2 pgs, double spaced, 12 font) on how math relates to your sport present your model and report to the teacher in an oral report.

Resources:

CNN/SI :News and links to many sports

Yahooligans Sports & Recreation :many links for sports related information

Books from the school and public libraries

Magazines such as Sports Illustrated for Kids

coaches, friends, and other students

Process:

1. You should decide which sport you would like to research.
2. Look online, in books, in magazines, and the newspaper for statistics, field dimensions, and other ways that math or numbers relate to your sport. Keep notes so that you will remember the ways.
3. Write a 2-3 page report on what you find. Write correctly - use good grammar, punctuation, etc.
4. Design a 3-D model of your playing field. Use poster board, cardboard, and other mediums. Make it attractive.
5. Decide how you will present your report to the teacher.
6. Present your findings to the teacher and describe your model.

Learning Advice:

How are numbers used in your sport?

Playing field dimensions

Statistics for the players

Rules of the game

Don't forget to include many kinds of math - geometry, addition, multiplication, fractions, decimals. etc.

Think about what you are learning about math as you do your research.