J-PUP SLUGGERS EXERCISE – Extra Credit

Objectives
1. Create a spreadsheet
2. Write =SUM formulas
3. Use fixed to set a column to 3 decimal places
4. Write a formula to calculate batting averages
   (**batting average = total hits / at bats**)
5. Use FILL RIGHT and FILL DOWN to copy formulas

Instructions   You are the manager of the Scranton J-Pup Sluggers. As the manager you are in charge of keeping statistics. You know it would be much easier if you kept the information in a spreadsheet.

1. Create the spreadsheet as shown on the back of these instructions.

2. Center columns B-H.

3. Create a SUM function formula to calculate TOTAL HITS for BOB.

4. Use FILL DOWN to copy the formula for the rest of the team.

5. Set the BATTING AVERAGE column to 3 decimal places.

6. Create the **batting average** formula for BOB.

   batting average = total hits / at bats

7. Use FILL DOWN to copy the formula for the rest for the team

8. Write a SUM function formula to calculate the team total for singles.

9. Use FILL RIGHT to copy the formula from SINGLES to AT BATS.

10. Write the BATTING AVERAGE formula for the team totals.

11. **Format the spreadsheet to make it easier** to read using color, borders, and fonts.

12. Place your **name** and **Extra Credit** in the header's center section.

13. Answer the completion questions at the bottom of the spreadsheet.

14. Be sure it fits on one page and print the spreadsheet normal.

15. Print a spreadsheet showing formulas on one page.

Scranton J-Pup Sluggers Spreadsheet

	A	B	C	D	E	F	G	H
1	Scranton J-Pup Sluggers							
2					Home	Total	At	Batting
3	Player	Singles	Doubles	Triples	Runs	Hits	Bats	Average
4								
5	Bob	12	2	0	0		47	
6	Dave	8	3	3	3		45	
7	Jack	11	4	3	2		50	
8	Jane	9	3	3	2		49	
9	Jill	10	5	0	0		55	
10	Laura	11	2	1	1		50	
11	Mike	10	5	1	5		58	
12	Pat	8	2	2	6		50	
13	Rich	7	0	0	1		42	
14	Sue	11	4	1	7		56	
15	Tom	12	5	2	4		49	
16								
17	Totals							

Completion Questions

1. Who has the highest batting average?

2. What is the team batting average?

3. How many hits has the team had?

4. What is the batting average formula for Rich?

5. What is the total hits formula for Jack?

6. What is Laura's Batting Average formula?

7. What is Tom's Total Hits formula?

8. What is the formula for the team's total hits?

9. What **formats** were used in column H?

J-PUP SLUGGERS Three games later...

Objectives 1. Update an existing spreadsheet

Instructions Your team has played three more games. It is time to update you stats. Follow the directions below to update the statistics of your spreadsheet.

1. Below are the statistics for the Scranton J-Pup Sluggers after 3 more games.

2. Type in the new statistics for each player. **If an area is blank, leave in the old statistic!**

3. **Use Save As and change the file name.**

4. Answer the completion questions

5. Print the spreadsheet

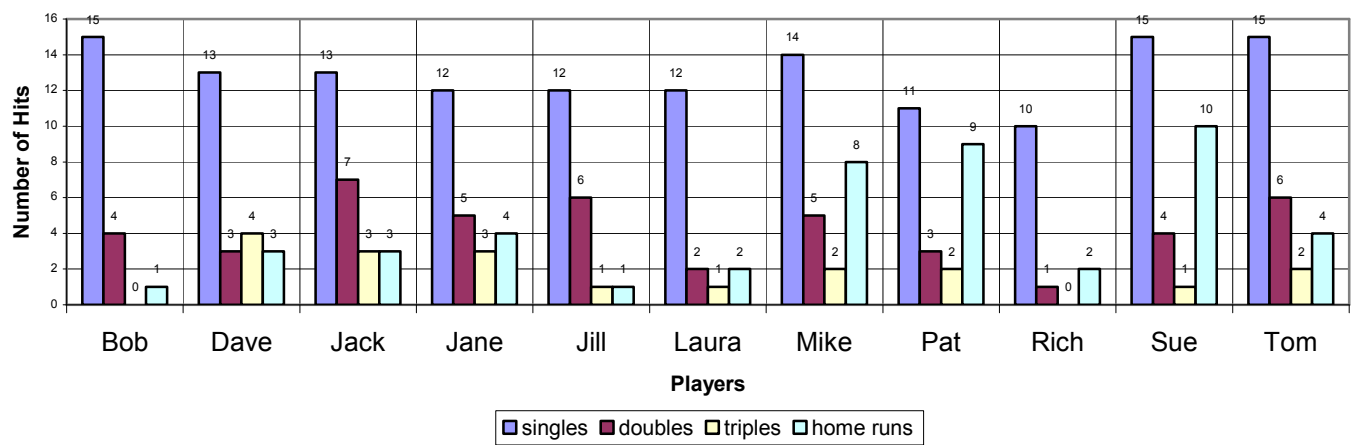|	A	B	C	D	E	F	G	H
1	Scranton J-Pup Sluggers							
2					Home	Total	At	Batting
3	Player	Singles	Doubles	Triples	Runs	Hits	Bats	Average
4								
5	Bob	15	4		1		59	
6	Dave	13		4			56	
7	Jack	13	7		3		61	
8	Jane	12	5		4		62	
9	Jill	12	6	1	1		66	
10	Laura	12			2		61	
11	Mike	14		2	8		68	
12	Pat	11	3		9		60	
13	Rich	10	1		2		53	
14	Sue	15			10		67	
15	Tom	15	6				62	

Completion Questions

1. Who has the highest batting average?

2. What is the team batting average?

3. How many hits has the team had?

4. Who has the lowest batting average?

5. What is Jack's batting average?

Making Charts for the J-Pup Sluggers

Directions: Using the information from "Three Games Later…" make the following charts.

1. Be sure to place your name in the header's center section of each chart

2. When the charts are complete, print them out.

3. Staple the two charts to the back of your other three printouts and turn in to Mr. Nisbet.

Total Hits

Number of Hits vs. Players

Player	singles	doubles	triples	home runs
Bob	15	4	0	1
Dave	13	3	4	3
Jack	13	7	3	3
Jane	12	5	3	4
Jill	12	6	1	1
Laura	12	2	1	2
Mike	14	5	2	8
Pat	11	3	2	9
Rich	10	1	0	2
Sue	15	4	1	10
Tom	15	6	2	4

Legend: ■ singles ■ doubles □ triples □ home runs

Team Batting Averages

Legend: ■ Bob ■ Dave □ Jack □ Jane ■ Jill ■ Laura ■ Mike □ Pat ■ Rich ■ Sue □ Tom

Pie chart values:
- 0.435
- 0.448
- 0.245
- 0.417
- 0.426
- 0.279
- 0.303
- 0.387
- 0.426
- 0.411
- 0.339