Suggestions for Excel Personal projects

This is a link to how a sample payroll project would be graded

Baseball Basketball Football Day Care Medical Hair Salon Crime Stats Social Work Sales Gradebook

Excel Personal Project

In order to receive credit for personal projects :

Projects ***must*** be turned in as a file, either on USB stick or as an attachment in an e-mail. No credit for a project will be given if the file is not turned in or unable to be opened. The following will not be given credit as a project : A tutorial from the book with new labels or the household budget assignment.

Grading standards:

- ***Formulas*** 24 points Credit will be given for up to 24 formulas, with each correct formula being 1 point each. There should be at leas t four distinct groups of formulas, each group which could have six similar formulas.
- ***Basic Functions*** 24 points Credit will be given for up to 24 basic functions, said functions being the =SUM, =AVERAGE, =MAX, and =MIN function s. There should be a least 3 of these functions in a spreadsheet, with generally 4-6 examples from each of the functions.
- ***Chart*** 15 points Use of at least one chart appropriate to the information being charted should be implemented.
- ***Formatting - Fonts*** 12 points Formatting of headers, text, fonts and color.
- ***Formatting - Numerical results*** 8 points Numerical results should be appropriately formatted. For example, a payroll should generally be formatted to 2 deci mal places. Baseball batting averages would be formatted to 3 decimal places .
- ***Originality*** 15 points Credit for this section will primarily be given for originality of the topic selection or an original implementatio n of a standard example presented in class or the book.
- ***Centering name and title across columns*** 2 points

Formulas should be used for any values which are computed, while numbers can be used only for situations where the values are not computed.

The layout or format of the spreadsheet should have the appropriate numeric and label layout. An example would be having 2 decimal places in any currency in the spreadsheet.

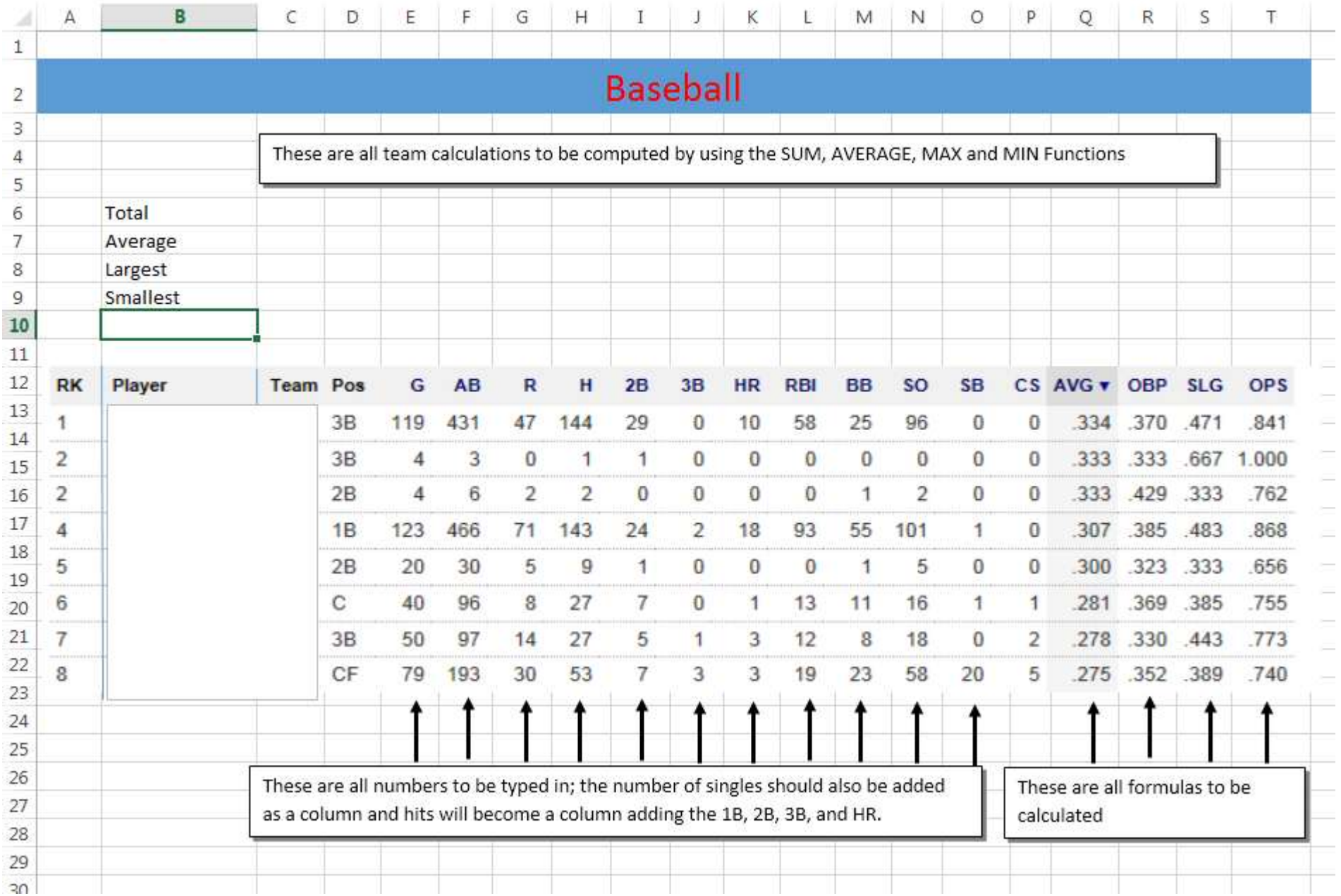
The construction of the spreadsheet must be logically correct and all parts of it must relate in some way to the purpose of t he spreadsheet. Spreadsheets which are designed solely to meet grading standards as simply an accumulation of unrelated formulas and functions will not be accepted.

Cheating

It is the prerogative of the instructor to verify whether the student performed outside work. In addition, spreadsheets can be refused for credit if evidence of cheating or copying of work from other sources is found to be present. Specifically, projects cannot come from other books or classes.

Some suggested project topics: Investments, Amortization schedules, Day care centers, Office budget requests, Inventory reo rdering, Baseball, Football, Basketball, Other sports, Hunting/fishing , Grade books for school teachers, hospital statistics among others.

Baseball



Baseball

These are all team calculations to be computed by using the SUM, AVERAGE, MAX and MIN Functions

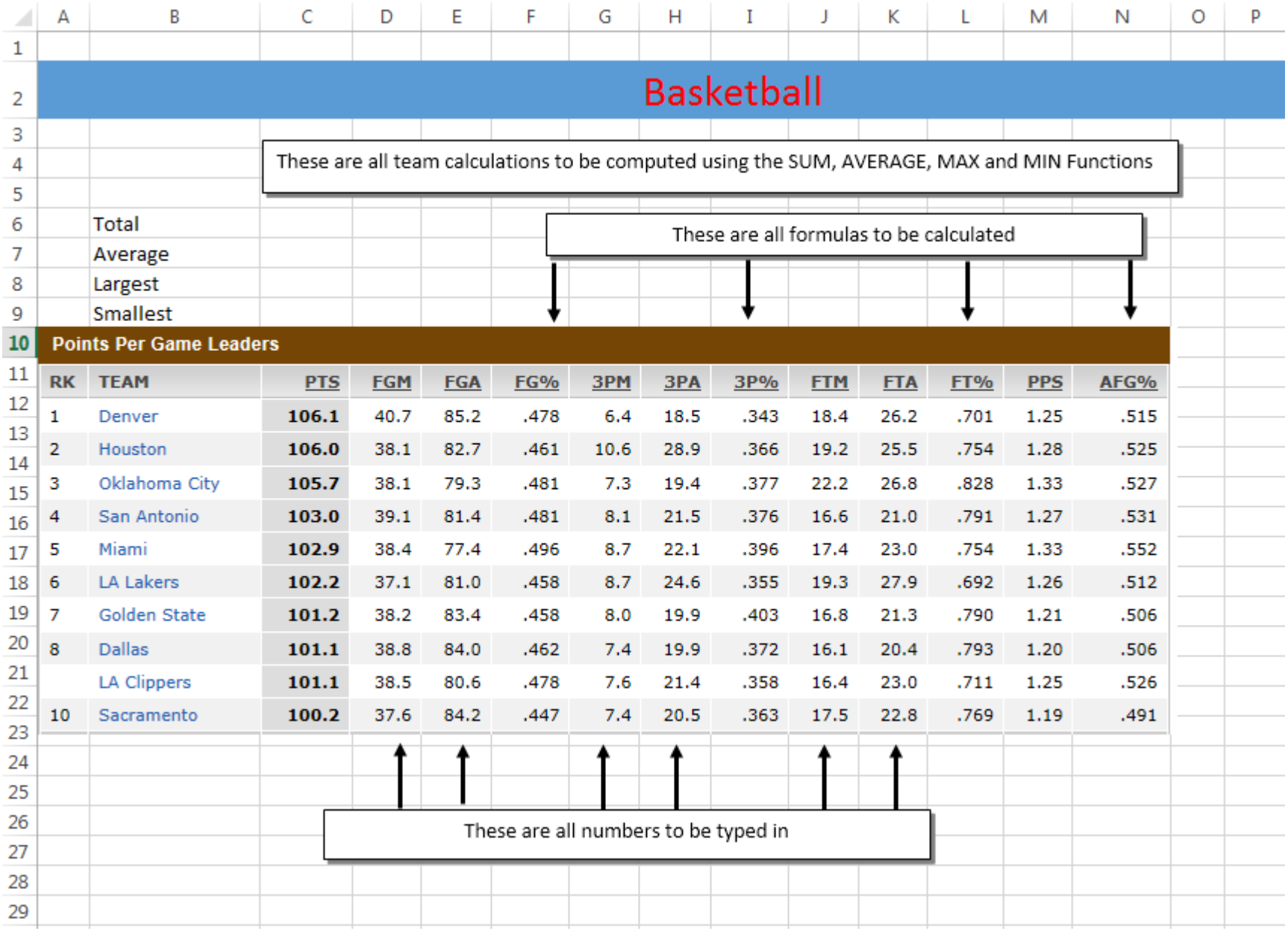
Total
Average
Largest
Smallest

RK	Player	Team	Pos	G	AB	R	H	2B	3B	HR	RBI	BB	SO	SB	CS	AVG ▾	OBP	SLG	OPS
1			3B	119	431	47	144	29	0	10	58	25	96	0	0	.334	.370	.471	.841
2			3B	4	3	0	1	1	0	0	0	0	0	0	0	.333	.333	.667	1.000
2			2B	4	6	2	2	0	0	0	0	1	2	0	0	.333	.429	.333	.762
4			1B	123	466	71	143	24	2	18	93	55	101	1	0	.307	.385	.483	.868
5			2B	20	30	5	9	1	0	0	0	1	5	0	0	.300	.323	.333	.656
6			C	40	96	8	27	7	0	1	13	11	16	1	1	.281	.369	.385	.755
7			3B	50	97	14	27	5	1	3	12	8	18	0	2	.278	.330	.443	.773
8			CF	79	193	30	53	7	3	3	19	23	58	20	5	.275	.352	.389	.740

These are all numbers to be typed in; the number of singles should also be added as a column and hits will become a column adding the 1B, 2B, 3B, and HR.

These are all formulas to be calculated

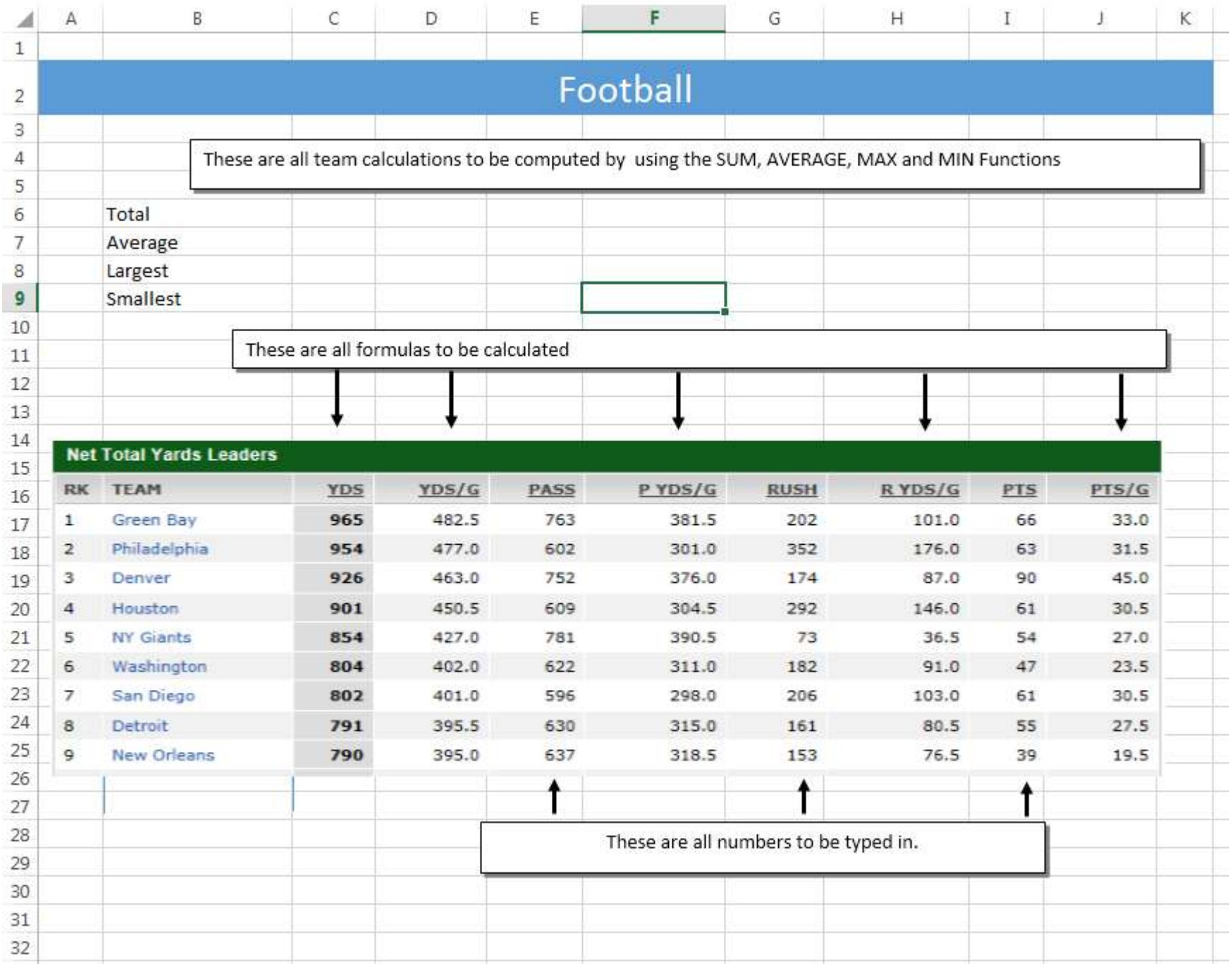
Basketball



Points Per Game Leaders

RK	TEAM	PTS	FGM	FGA	FG%	3PM	3PA	3P%	FTM	FTA	FT%	PPS	AFG%
1	Denver	**106.1**	40.7	85.2	.478	6.4	18.5	.343	18.4	26.2	.701	1.25	.515
2	Houston	**106.0**	38.1	82.7	.461	10.6	28.9	.366	19.2	25.5	.754	1.28	.525
3	Oklahoma City	**105.7**	38.1	79.3	.481	7.3	19.4	.377	22.2	26.8	.828	1.33	.527
4	San Antonio	**103.0**	39.1	81.4	.481	8.1	21.5	.376	16.6	21.0	.791	1.27	.531
5	Miami	**102.9**	38.4	77.4	.496	8.7	22.1	.396	17.4	23.0	.754	1.33	.552
6	LA Lakers	**102.2**	37.1	81.0	.458	8.7	24.6	.355	19.3	27.9	.692	1.26	.512
7	Golden State	**101.2**	38.2	83.4	.458	8.0	19.9	.403	16.8	21.3	.790	1.21	.506
8	Dallas	**101.1**	38.8	84.0	.462	7.4	19.9	.372	16.1	20.4	.793	1.20	.506
	LA Clippers	**101.1**	38.5	80.6	.478	7.6	21.4	.358	16.4	23.0	.711	1.25	.526
10	Sacramento	**100.2**	37.6	84.2	.447	7.4	20.5	.363	17.5	22.8	.769	1.19	.491

Football


Football
These are all team calculations to be computed by using the SUM, AVERAGE, MAX and MIN Functions
Total
Average
Largest
Smallest
These are all formulas to be calculated
Net Total Yards Leaders
RK TEAM YDS YDS/G PASS P YDS/G RUSH R YDS/G PTS PTS/G
1 Green Bay 965 482.5 763 381.5 202 101.0 66 33.0
2 Philadelphia 954 477.0 602 301.0 352 176.0 63 31.5
3 Denver 926 463.0 752 376.0 174 87.0 90 45.0
4 Houston 901 450.5 609 304.5 292 146.0 61 30.5
5 NY Giants 854 427.0 781 390.5 73 36.5 54 27.0
6 Washington 804 402.0 622 311.0 182 91.0 47 23.5
7 San Diego 802 401.0 596 298.0 206 103.0 61 30.5
8 Detroit 791 395.5 630 315.0 161 80.5 55 27.5
9 New Orleans 790 395.0 637 318.5 153 76.5 39 19.5
These are all numbers to be typed in.

Day Care Centers

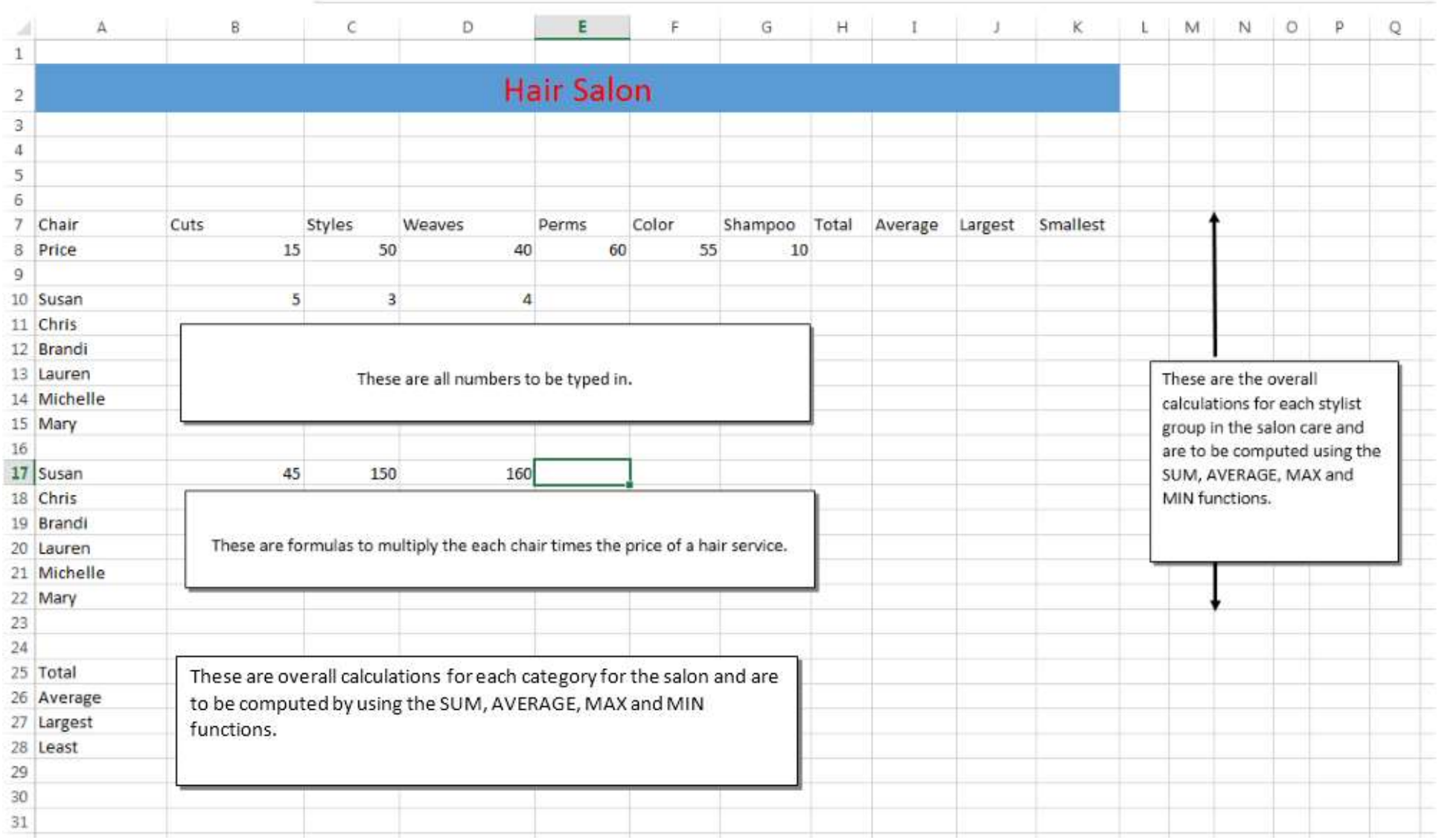
	A	B	C	D	E	F	G	H	I	J
1										
2	Pooh Day Care									
3										
4										
5										
6										
7	Age Groups	Monday	Tuesday	Wednesday	Thursday	Friday	Total	Average	Largest	Smallest
8										
9	Infants									
10	1 year									
11	2 Years									
12	3 Years									
13	4 Years									
14	5 Years	20	15	7	8	12				
15										
16	Total									
17	Average									
18	Largest									
19	Least									
20										
21										

These are all numbers to be typed in.

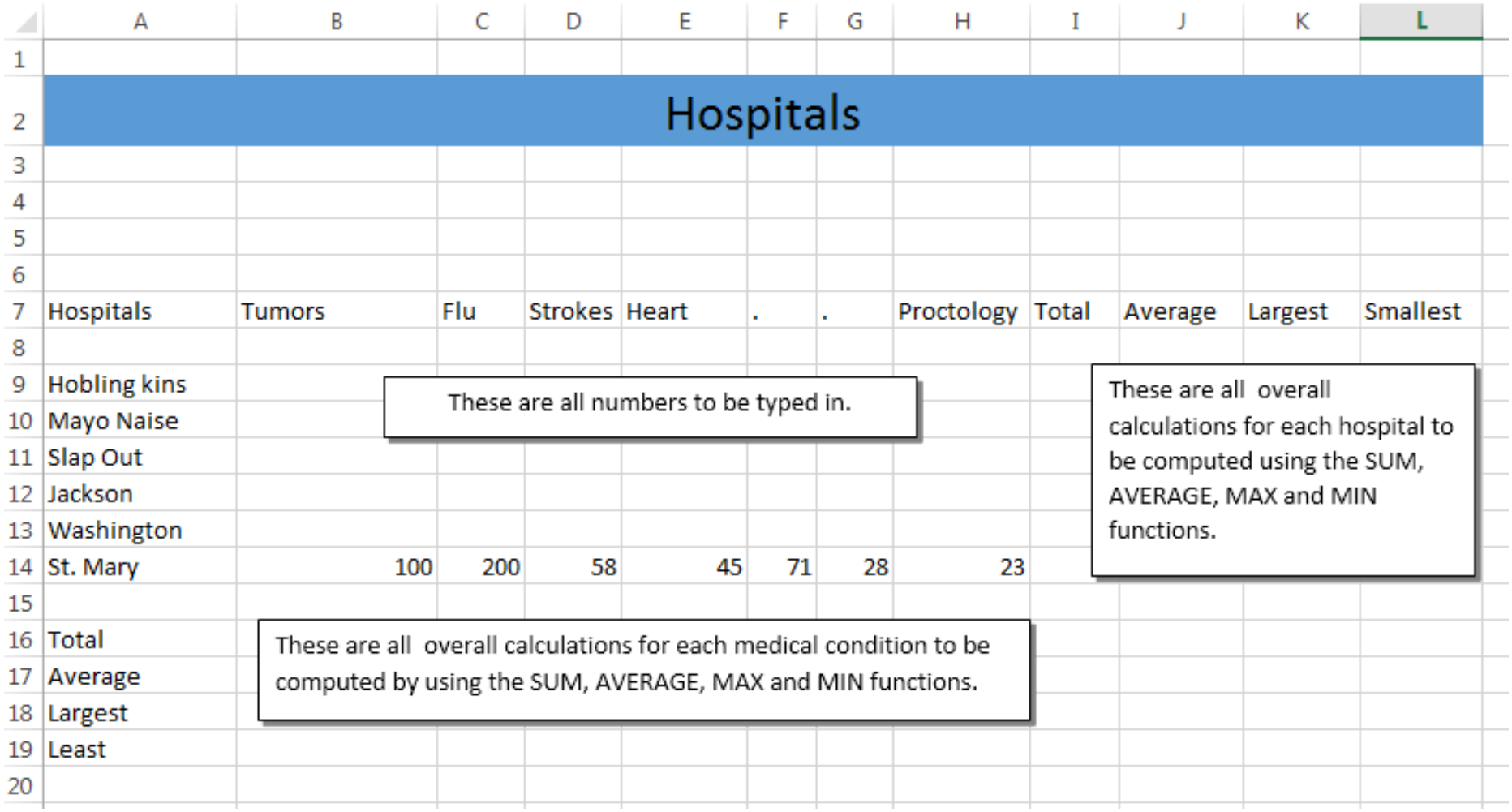
These are all overall calculations for each age group in the day care to be computed using the SUM, AVERAGE, MAX and MIN functions.

These are all overall calculations for each day for all groups for the day care to be computed by using the SUM, AVERAGE, MAX and MIN functions.

Hair Salon


Hair Salon
Chair
Cuts
Styles
Weaves
Perms
Color
Shampoo
Total
Average
Largest
Smallest
Price
15
50
40
60
55
10
Susan
5
3
4
Chris
Brandi
Lauren
Michelle
Mary
These are all numbers to be typed in.
Susan
45
150
160
Chris
Brandi
Lauren
Michelle
Mary
These are formulas to multiply the each chair times the price of a hair service.
Total
Average
Largest
Least
These are overall calculations for each category for the salon and are to be computed by using the SUM, AVERAGE, MAX and MIN functions.
These are the overall calculations for each stylist group in the salon care and are to be computed using the SUM, AVERAGE, MAX and MIN functions.

Medical



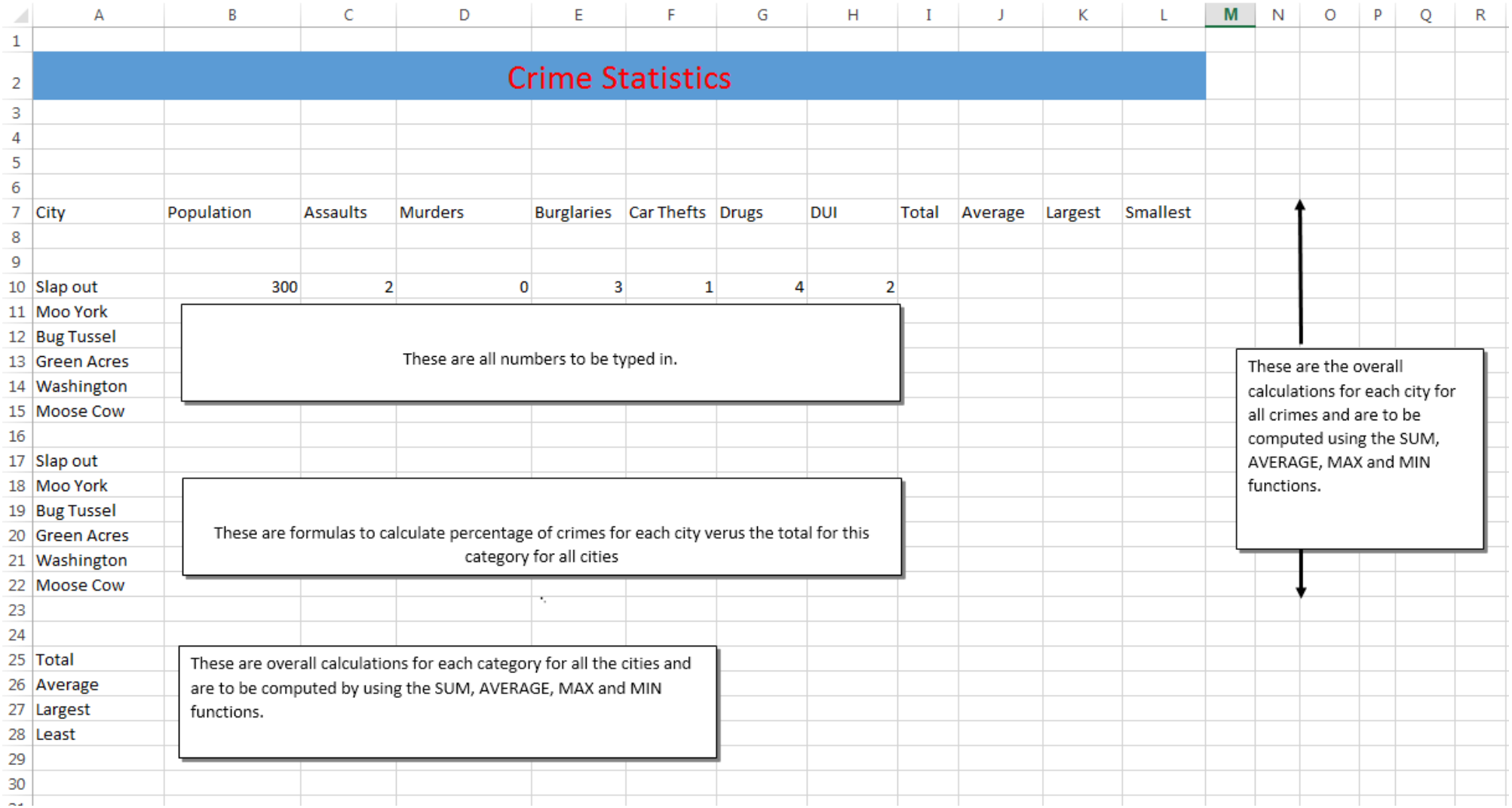
	A	B	C	D	E	F	G	H	I	J	K	L
1												
2	Hospitals											
3												
4												
5												
6												
7	Hospitals	Tumors	Flu	Strokes	Heart	.	.	Proctology	Total	Average	Largest	Smallest
8												
9	Hobling kins											
10	Mayo Naise											
11	Slap Out											
12	Jackson											
13	Washington											
14	St. Mary	100	200	58	45	71	28	23				
15												
16	Total											
17	Average											
18	Largest											
19	Least											
20												

These are all numbers to be typed in.

These are all overall calculations for each hospital to be computed using the SUM, AVERAGE, MAX and MIN functions.

These are all overall calculations for each medical condition to be computed by using the SUM, AVERAGE, MAX and MIN functions.

Crime Statistics



Social Work/Psychology

Pyschology/Social Work Statistics

	City	Population	Alcohol	Drugs	Schizophrenia	Child Abuse	Domestic Abuse	Divorced	Total	Average	Largest	Smallest
10	Slap out	300	2	10	3	1	4					
11	Moo York											
12	Bug Tussel											
13	Green Acres											
14	Washington											
15	Moose Cow											
16												
17	Slap out											
18	Moo York											
19	Bug Tussel											
20	Green Acres											
21	Washington											
22	Moose Cow											
23												
24												
25	Total											
26	Average											
27	Largest											
28	Least											
29												
30												
31												

These are all numbers to be typed in.

These are formulas to calculate percentage of social for each city verus the total for this category for all cities

These are overall calculations for each category for all the cities and are to be computed by using the SUM, AVERAGE, MAX and MIN functions.

These are the overall calculations for each city for all crimes and are to be computed using the SUM, AVERAGE, MAX and MIN functions.

Sales

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2	Burger Joint												
3													
4													
5													
6													
7	Item		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total	Average	Largest	Smallest
8													
9	Hamburgers												
10	Fries												
11	Lunch												
12	Pizza												
13	Cokes												
14	Salads												
15		Price											
16	Hamburgers	3.25											
17	Fries	1.25											
18	Lunch	5.25											
19	Pizza	2.15											
20	Cokes	1.25											
21	Salads	3.75											
22													
23	Total												
24	Average												
25	Largest												
26	Least												
27													
28													
29													

These are all numbers to be typed in.

These are overall calculations for each item for the week to be computed using the SUM, AVERAGE, MAX and MIN functions.

These are all numbers to be to be calculated by multiplying the price in column B by the number of items sold in the area B9 through I14.

These are overall calculations for each day for the entire store to be computed by using the SUM, AVERAGE, MAX and MIN functions.

Grade Book

Ms. Jones Second Grade

Student	Test 1	Test 2	Test 3	Project	Home Work	Final	Total	Average	Largest	Smallest
	15%	15%	15%	15%	10%	30%				
Bubba	90	70	80	80	90	90				
Mary										
Sue										
George										
Chris										
Sam										
Bubba										
Mary										
Sue										
George										
Chris										
Sam										
Total										
Average										
Largest										
Least										

These are all numbers to be typed in.

These are formulas to calculate the grades using the percentage of of each grade for the course times the grade the student got for the assignment.

These are overall calculations for each category for all the class and are to be computed by using the SUM, AVERAGE, MAX and MIN functions.

These are the overall calculations for each student are to be computed using the SUM, AVERAGE, MAX and MIN functions.

Sample of how a project would be graded; do not turn in a payroll for your project

Your first and last name here

Todays date

Insert your picture somewhere

	Gross	Hours	Rate	Net	Taxes	Federal	State	FICA
								7.65%
Total	1,690.00	240.00		1,185.12	534.89	338.00	67.20	129.29
Average	281.67	40.00		197.52	89.15	56.83	11.27	21.55
Largest	440.00	50.00		330.74	139.26	88.00	17.60	33.66
Smallest	180.00	30.00		123.03	56.97	36.00	7.20	13.77
George	200.00	40.00	5.00	136.70	63.30	40.00	8.00	15.30
Sam	180.00	30.00	6.00	123.03	56.97	36.00	7.20	13.77
Sue	300.00	50.00	6.00	205.05	94.95	60.00	12.00	22.95
Beth	300.00	50.00	6.00	205.05	94.95	60.00	12.00	22.95
Amos	270.00	30.00	9.00	184.55	85.46	54.00	10.80	20.66
Jeff	440.00	40.00	11.00	330.74	139.26	88.00	17.60	33.66

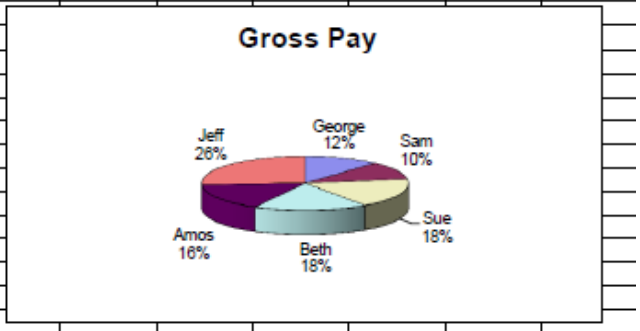
Each of these cells on this row (8) should should calculate the total of each column using a sum function. You can type the first function and copy across and get credit for a ***maximum*** of six functions for this group of functions.

Each of these cells on this row (9) should should calculate the total of each column using a ***average*** function. You can type the first function and copy across and get credit for a ***maximum***

Each of these cells on this row(10) should should calculate the total of each column using a ***max*** function. You can type the first function and copy across and get credit for a ***maximum*** of six functions for this group of functions.

Each of these cells on this row(11) should should calculate the smalleest of each column using a ***min*** function. You can type the first function and copy across and get credit for a ***maximum*** of

Basic Functions 24 points Credit will be given for up to 24 basic functions, said functions being the =SUM, =AVERAGE, =MAX, and =MIN functions. There should be a least 3 of these functions in a spreadsheet, with generally 4-6 examples from each of the functions.



These cells should compute the ***gross pay*** for each employee by multiplying hours and the rate of each employee.

You can type the first fomula and copy down and get credit for a ***maximum*** of six formulas.

These cells (rows 12-17) are just numbers

These cells should compute the ***net pay*** for each employee by subtracting the taxes from the gross pay for each employee.

You can type the first fomula and copy down and get credit for a ***maximum*** of six formulas for this group of formulas.

These cells should compute ***the taxes*** for each employee by adding the federal, state, and FICA taxes for each employee.

You can type the first fomula and copy down and get credit for a ***maximum*** of six formulas for this group of formulas.

These cells should compute ***the federal taxes*** for each employee by multiplying the gross pay times 20% for each employee.

You can type the first fomula and copy down and get credit for a ***maximum*** of six formulas for this group of formulas.

These cells should compute ***the state taxes*** for each employee by multiplying the gross pay times 4% for each employee.

You can type the first fomula and copy down and get credit for a ***maximum*** of six formulas for this group of formulas.

These cells should compute ***the FICA taxes*** for each employee by multiplying the gross pay times 7.65% for each employee.

You can type the first fomula and copy down and get credit for a ***maximum*** of six formulas for this group of formulas.

Formulas 24 points Credit will be given for up to 24 formulas, with each correct formula being 1 point each.

There should be at least four distinct groups of formulas, each group which could have six similar formulas. Using the payro ll assignment as an example, the formulas for gross pay, net pay, taxes, FICA are copied for all six employees. The six formulas for gross pay would count as one group, while the si x formulas for net pay would count as another group, and so forth. However, if there were 24 employees, the 24 formulas for gross pay would only count for a maximum of six formulas, no t as 24 formulas.

Chart or graph (15 points) Use of at least one chart appropriate to the information being charted should be implemented.