

Using a Table

A table presents information in a way that is easy to understand.

This table gives some facts about the players on the college basketball team.

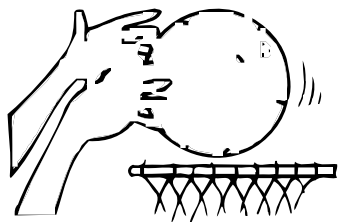
BIG STATE COLLEGE BASKETBALL TEAM

Player	G	FG	FGA	FT	FTA	PTS
Maloney	9	54	100	27	36	_____
Elliot	11	89	172	52	65	_____
Fong	8	40	75	11	19	_____
Jones	11	42	110	13	17	_____
Centini	11	51	90	39	48	_____
Vargas	11	38	74	10	14	_____
Tonchek	11	75	160	36	51	_____
Swenson	10	29	65	7	12	_____
Berg	6	12	30	4	8	_____

3-point shots — 0 for 8.

KEY

- G = Games played
- FGA = Field Goals Attempted
- FG = Field Goals made
- FTA = Free Throws Attempted
- FT = Free Throws made
- PTS = Points scored



Complete the table with the number of points (PTS) each player scored. Each field goal made is worth 2 points. No 3-point shots were scored. Each free throw made is worth 1 point. Find the total this way: $(FG \times 2) + (FT \times 1) = \text{total points scored}$. You can use a calculator for help.

Use the table to solve each problem.

1. Who scored the most points? _____ How many? _____

2. How many more points did Tonchek score than Maloney?

3. What is the average number of 2-point field goals that Jones attempted per game?

4. How many attempted free throws did Centini miss?

5. What is the average number of points that Maloney scored per game?

On Your Own

How many points would Maloney need to score in his next game to increase his scoring average to 16 points per game?

Explain how to solve this problem on another sheet of paper.

Creating a Table

The Cartwrights have lived in five different states. Penny Cartwright began this table to compare those places.

Use an almanac, encyclopedia, or other resource to complete the table.

A COMPARISON OF FIVE STATES

<i>State</i>	<i>Population</i>	<i>Area in square _____</i>	<i>Population Density</i>
Florida			
Kansas			
Oregon			
Pennsylvania			
Texas			

Use your completed table to answer each question.

1. How much larger is Oregon than Florida?

2. How much greater is the population of Florida than the population of Oregon?

3. Does Pennsylvania or Texas have a larger population? How much larger?

4. Is the population density of Texas or Pennsylvania greater? How much greater?

5. If you wanted to live where there are wide open spaces with few people, which state should you consider?

6. Does any state have a population larger than that of two others combined?

On Your Own

Create a problem of your own using the table above or using facts about your own state. Then trade problems with a partner to solve.