Name _____ Date _____

Students in Study Skills class completed a survey about after school time by tracking the amount of time spent in different after school activities for a week. The teacher combined all the information from her students and produced the following graph.
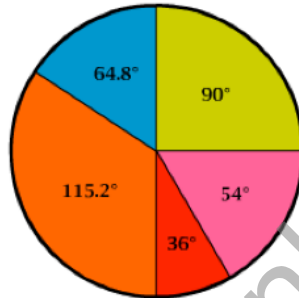


The *homework* section is 1.5 times larger than the *other activities* section. The largest amount of time after school is spent on *sports activities*. The fraction of time spent *watching TV* is 0.07 more than the fraction of time spent *playing video games*.

1.  What activity relates to each sector?

2.  Use an appropriate strategy to determine the fraction of the degrees in the circle comprising each sector of the graph.

3.  Convert the fraction for each sector to a percent.

4. What fraction of all after school time is spent on each activity in the graph?

5. What percent of after school time does each sector of the graph represent?

6. If the average student has 7 hours of after school time before going to bed, what portion, in decimal form, of this time is spent on each activity?