Section 8.5 Extra Practice

1. Mr. Fleming surveyed the size of families among students in his grade 7 class. The results are shown in the table.

Number of Children Per Family	Number of Students
1	6
2	11
3	5
4	2
5 or more	1

Draw a circle graph to display the data.

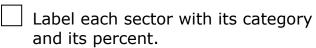**a)** Find the total number of students surveyed.

6 + 11 + _____ + _____ + _____ = _____

There were _____ students surveyed.

b) Complete the following table. The first one is done for you.

Number of Children Per Family	Number of Students	Percent of Total	Decimal Value Equivalent	Sector Angle
1	6	$\frac{6}{25}$ × 100% = 24%	0.24	0.24 × 360°= 86°
2				
3				
4				
5 or more				
Totals:				

c) Complete the circle graph to display the data. Check off each step as you do it.

☐ Use a protractor to measure and draw each sector.

☐ Label each sector with its category and its percent.

☐ Colour or shade each sector.

☐ Add a title.

_____

1
24%