

# Pie Graphs (Sector Graphs)

Name \_\_\_\_\_

Date \_\_\_\_\_


Links  are available on <http://mrjob.mathsclass.net>.

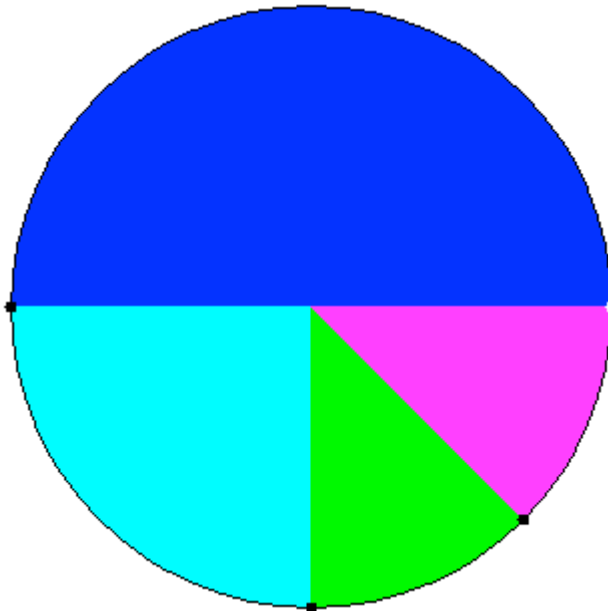
## Activity: [Pie Chart](#)

Use the Pie Chart activity to make the following pie charts.  
Save a picture of each chart in the space provided:

1.


Blue	Cyan	Green	Magenta
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{8}$

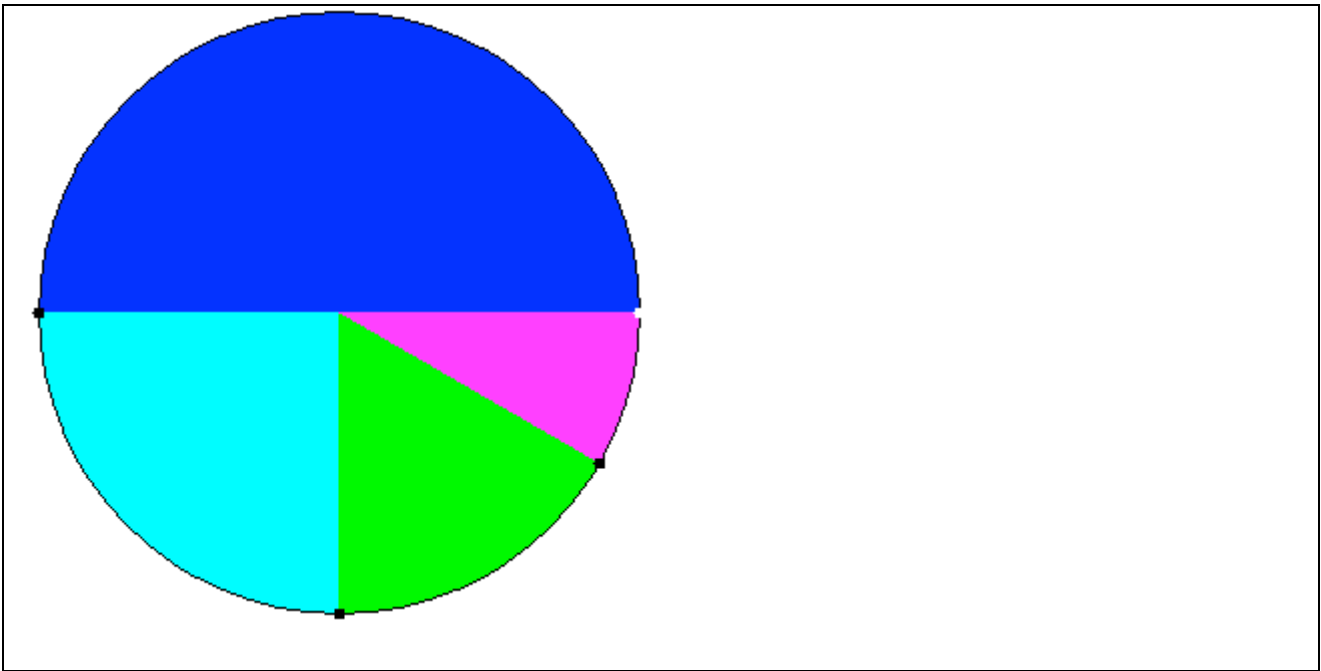
 Paste here:



2.

Blue	Cyan	Green	Magenta
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{6}$	$\frac{1}{12}$

 Paste here:



• What is the total of the fractions in each question? \_\_\_\_\_

3.

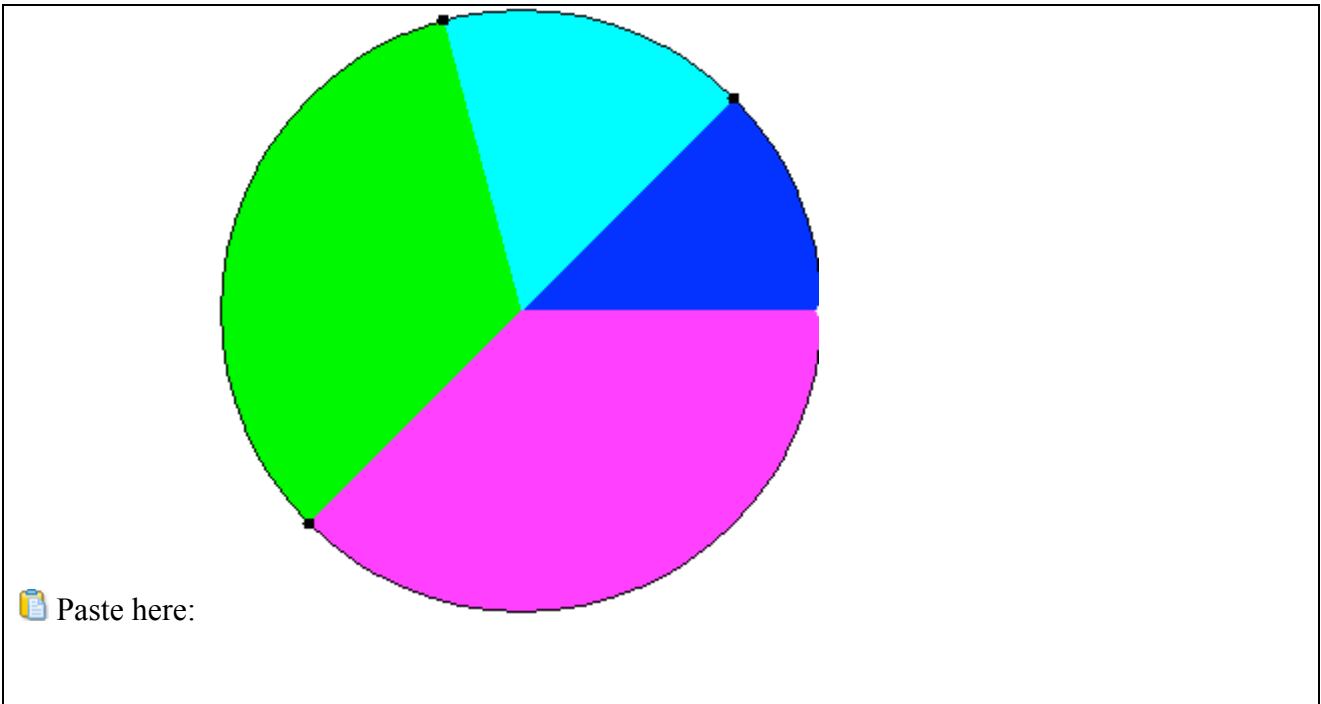
Blue	Cyan	Green	Magenta
40%	25%	15%	20%



• What is the total of the percentages? \_\_\_\_\_

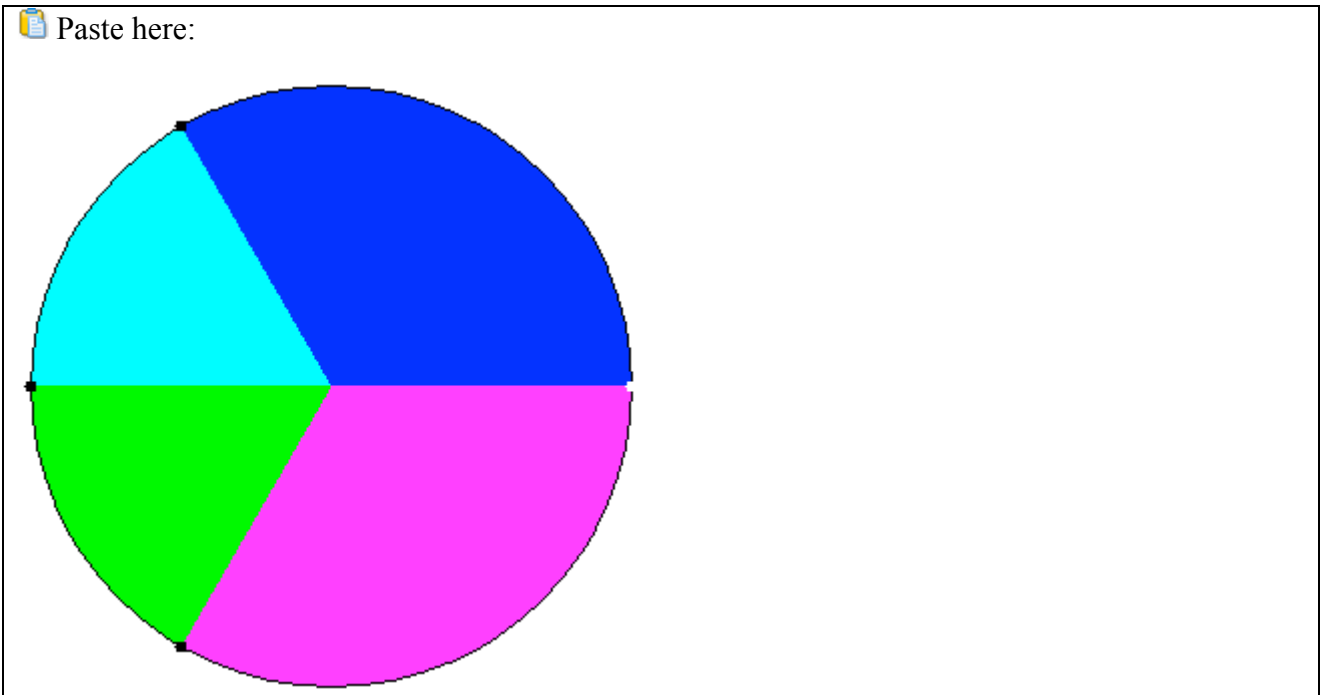
4.

Blue	Cyan	Green	Magenta
45°	60°	120°	135°



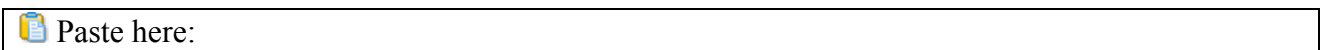
5.

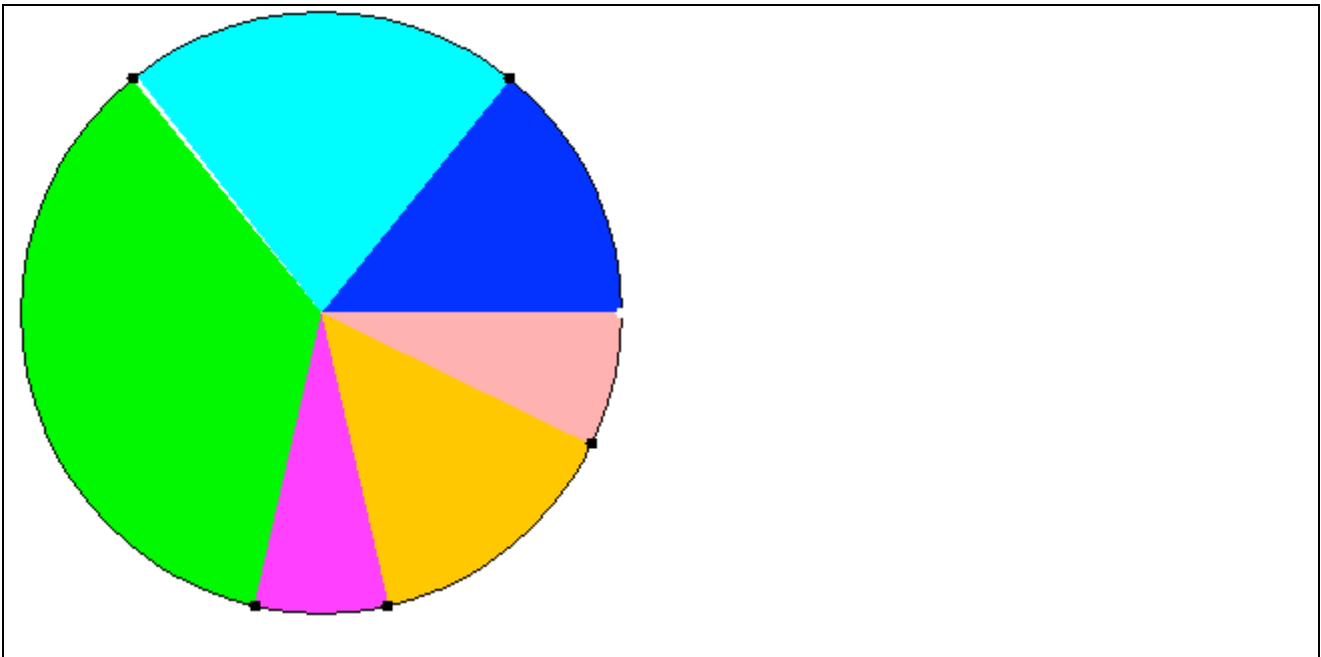
Blue	Cyan	Green	Magenta
2 parts	1 part	1 part	2 parts



6.

Blue	Cyan	Green	Magenta	Orange	Pink
2 parts	3 parts	5 parts	1 part	2 parts	1 part

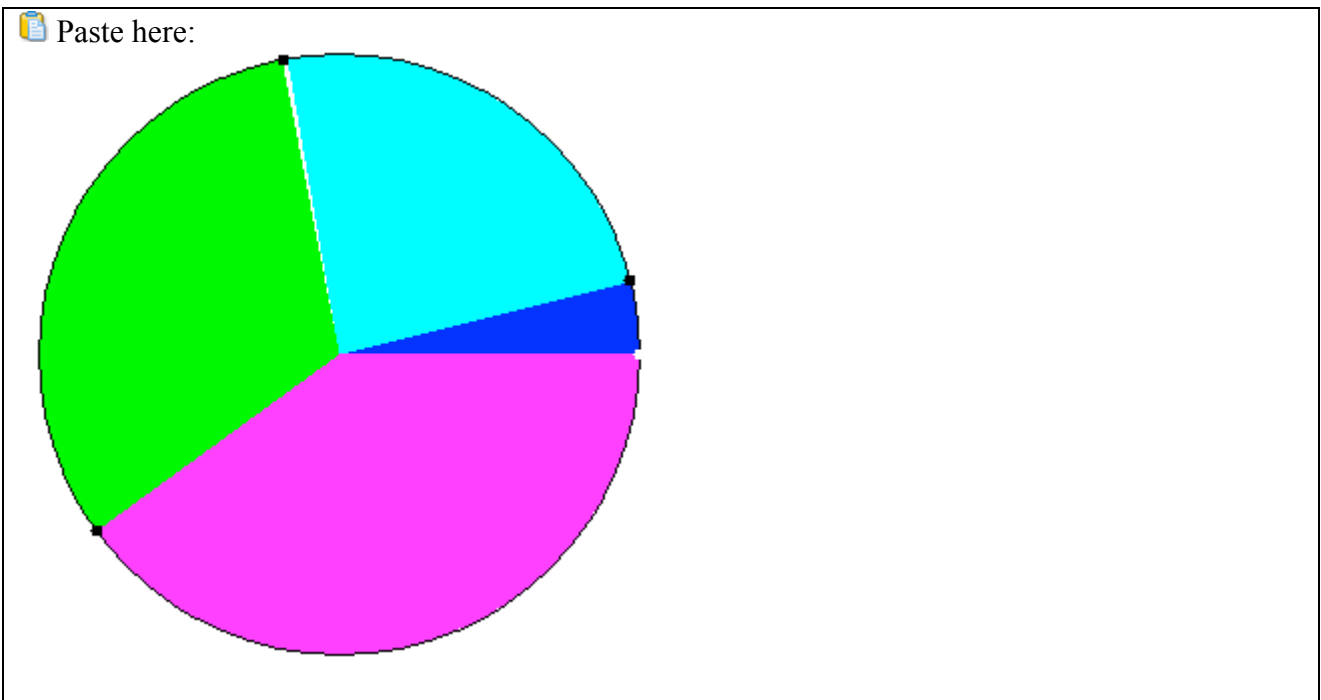




6.

In a Year 9 class there are 24 students. Of these, their favourite colours are:

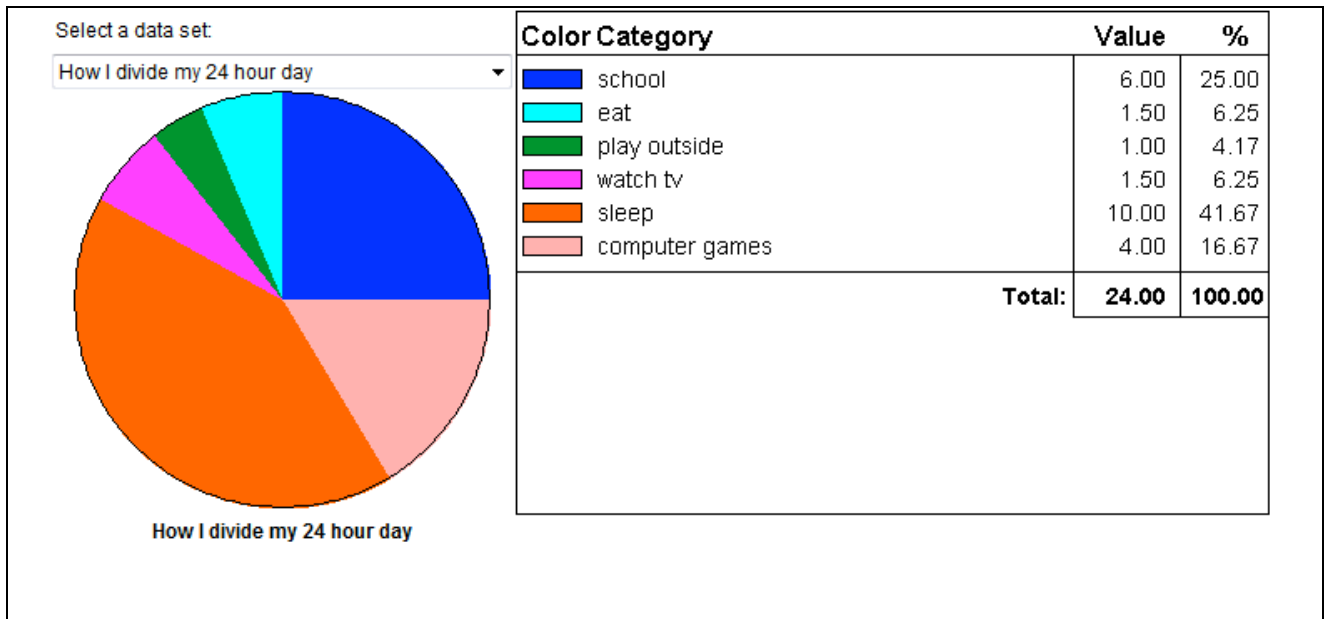
Blue	Cyan	Green	Magenta
1 student	6 students	7 students	10 students




**Activity: [Circle Graph](#)**

Use this activity to make a graph of how you spend the 24 hours in the day (choose a typical school day).

Paste here:



Make a second graph showing how you intend to spend 24 hours on a typical day in the *school holidays*.

 Paste here:

## Questions

- 1. What calculation is done to convert the values of the each of the categories to percentages? What information is necessary for this calculation?**

Make it as a fraction over 100 or the total amount

- 2. What types of data can be displayed on a circle graph? What types of data cannot be shown by this type of graph?**

Information like percentages can be shown on a circle graph but things that show how things change like a line graph cannot be shown on a circle graph

- 3. Why is it important to use graphs of data rather than simply looking at the numbers?**  
because it shows the difference in the size of the numbers better