

PIE CHART CHALLENGE

1) Think of a survey question which you could ask other members of the class...

What is your favourite film this year?
What type of music do you like most?
Which model of car would you most like to own?

2) Think of a selection of answers, linked to your question (maximum of five answers).

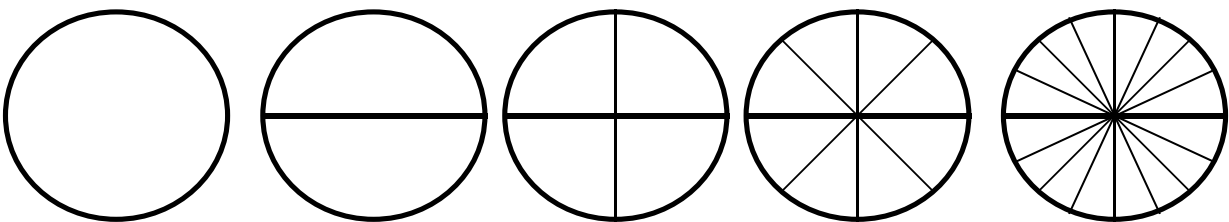
3) Create a table, on which you can record your results.

Which model of car would you most like to own?	
Ford	
Vauxhall	
Volkswagen	
Ferrari	

4) Ask your survey question to 16 people, recording their responses by tallying on your table.

5) Count up the results.

6) Draw a pie chart to show your results. Begin by drawing a large circle.



Then split the circle into half horizontally and then vertically.

Next, split each quarter into two even sections. Then split each eighth into two more even sections. You should now have sixteen segments on your pie chart.

7) Colour your pie chart according to the results of your survey. Don't forget to add a key to show what each colour represents.

8) Can you write at least 8 questions which ask other people to read and interpret your pie chart? Don't forget to add the answers (hide them somewhere!).

9) Now, why not ask others to look at your results and answer your questions?

Extension – Can you survey 32 people and make a pie chart?