

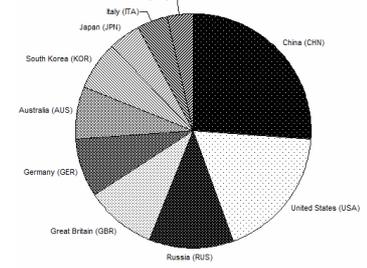
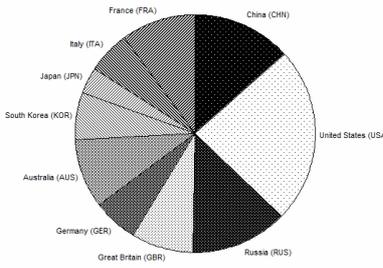
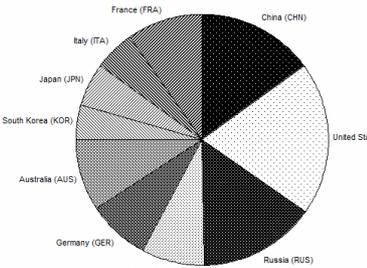
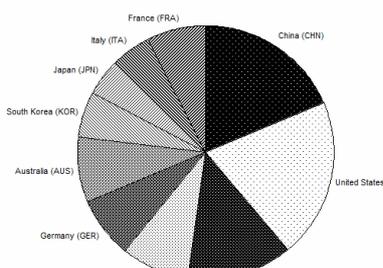
This is the final table from the 2008 Beijing Olympics and shows the total medals won by the top 10 countries at the games

Rank	Nation	Gold	Silver	Bronze	Total
1	China (CHN)	51	21	28	100
2	United States (USA)	36	38	36	110
3	Russia (RUS)	23	21	28	72
4	Great Britain (GBR)	19	13	15	47
5	Germany (GER)	16	10	15	41
6	Australia (AUS)	14	15	17	46
7	South Korea (KOR)	13	10	8	31
8	Japan (JPN)	9	6	10	25
9	Italy (ITA)	8	9	10	27
10	France (FRA)	7	16	18	41

A thought!
 What is the difference between a bar chart and a pie chart?

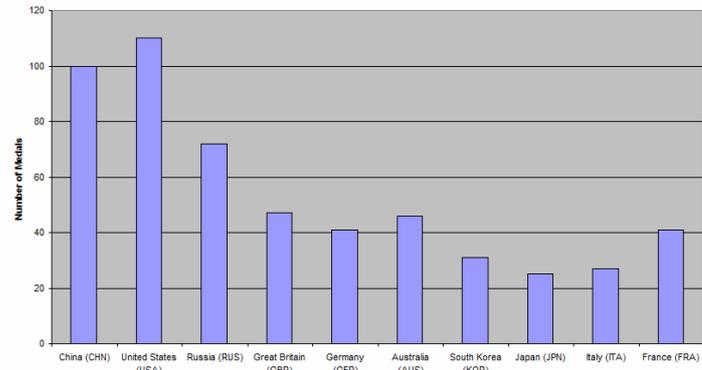

Task 1 - C/D Grade GCSE level questions

The pie charts below show the 4 sets of information in the table above (Gold/Silver/Bronze/Total). Your task is to match them and state why you chose the ones you did which represents the information in the columns above. How do you know? Justify your answer and be ready to share it with the class. Write next to each which you think they are!

<p>Which information does this represent?</p> 	<p>What about this one?</p> 
<p>How about this?</p> 	<p>....and finally this one?</p> 

Extension B grade GCSE – State reasons why the method of data representation can alter how people read statistics? Is this evident above? Can you find a better way of representing the data?

Task 2- C/D Grade GCSE level questions

<p>Total Medals won at 2008 Olympics</p> 	<p>The chart to the left shows the total medals won by each country in the 2008 Olympics as given in the table at the top of the page.</p> <p>(i) Rank the countries in order (highest to lowest) of total medals won (1-10) (ii) How does this compare with the chart at the top of the page? Do we have the same leader? (iii) Does this fairly represent the success of each country in your opinion? What do you think is more successful? More medals or more gold's? (iv) Is there a better way to display this information? If so how do you think we could show data like this?</p>
---	--

Extension B Grade
 If 3 points, 2 points and 1 point were given for gold, silver and bronze respectively, what would the final results table look like? How would you best display this information? Decide which is better to represent this data (pie chart or bar chart) and fully label the chart on the back of this sheet?

Cross curricular extension Grade C GCSE

- Work out the % of total medals won by:
1. European Countries combined
 2. Asian Countries combined
 3. 'Rest of the world' combined

Display this information in a chart you feel is most appropriate. Who would have been more successful? How many degrees will each have allocated in a pie chart?

Answers to pie charts

- Top left gold
- Top right silver
- Bottom left bronze
- Bottom right total