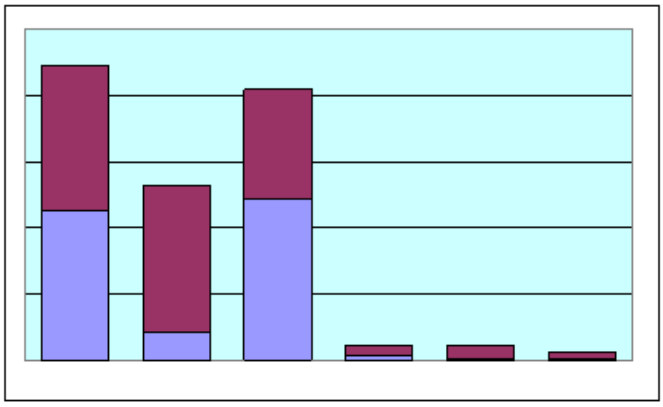
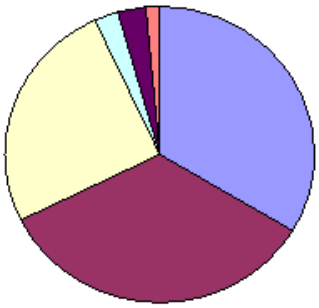
What information does this Graph give you?

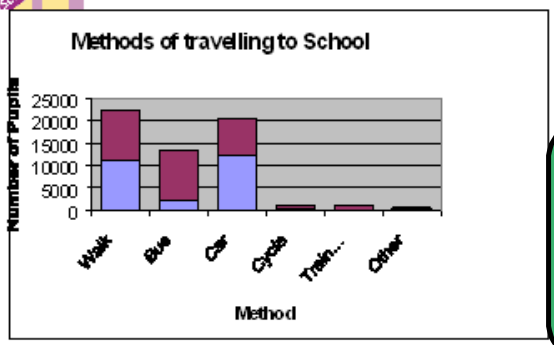


How 11-16 yr olds Travel to School



At least we know what the chart is meant to be about, but what do the individual slices mean?

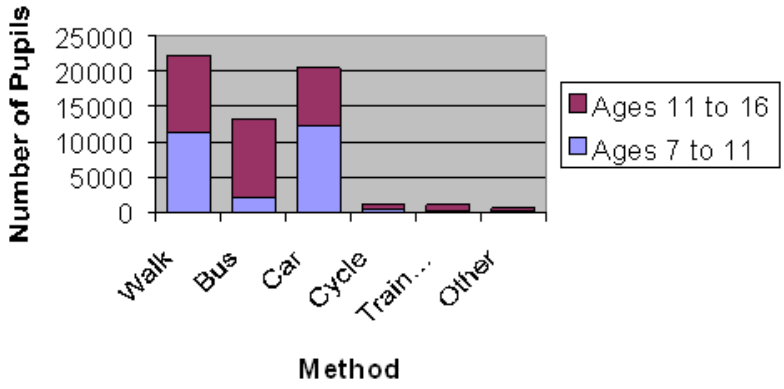
What we need are **clear labels** to help us. Lets try again:



This looks much better but there are still a couple of things missing.

Lets have a final go:

Methods of travelling to School



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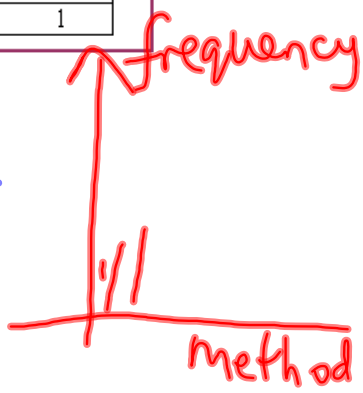
Now draw a **useful** bar chart of either the data given below or some data you have collected yourself.

Travel Method	Walk	Bus	Car	Cycle	Train..	Other
Number of People	16	8	12	4	0	1

Data Handling

1. Bar graphs



Dual Bar Graphs

When might we want dual bar graphs?

boys + girls

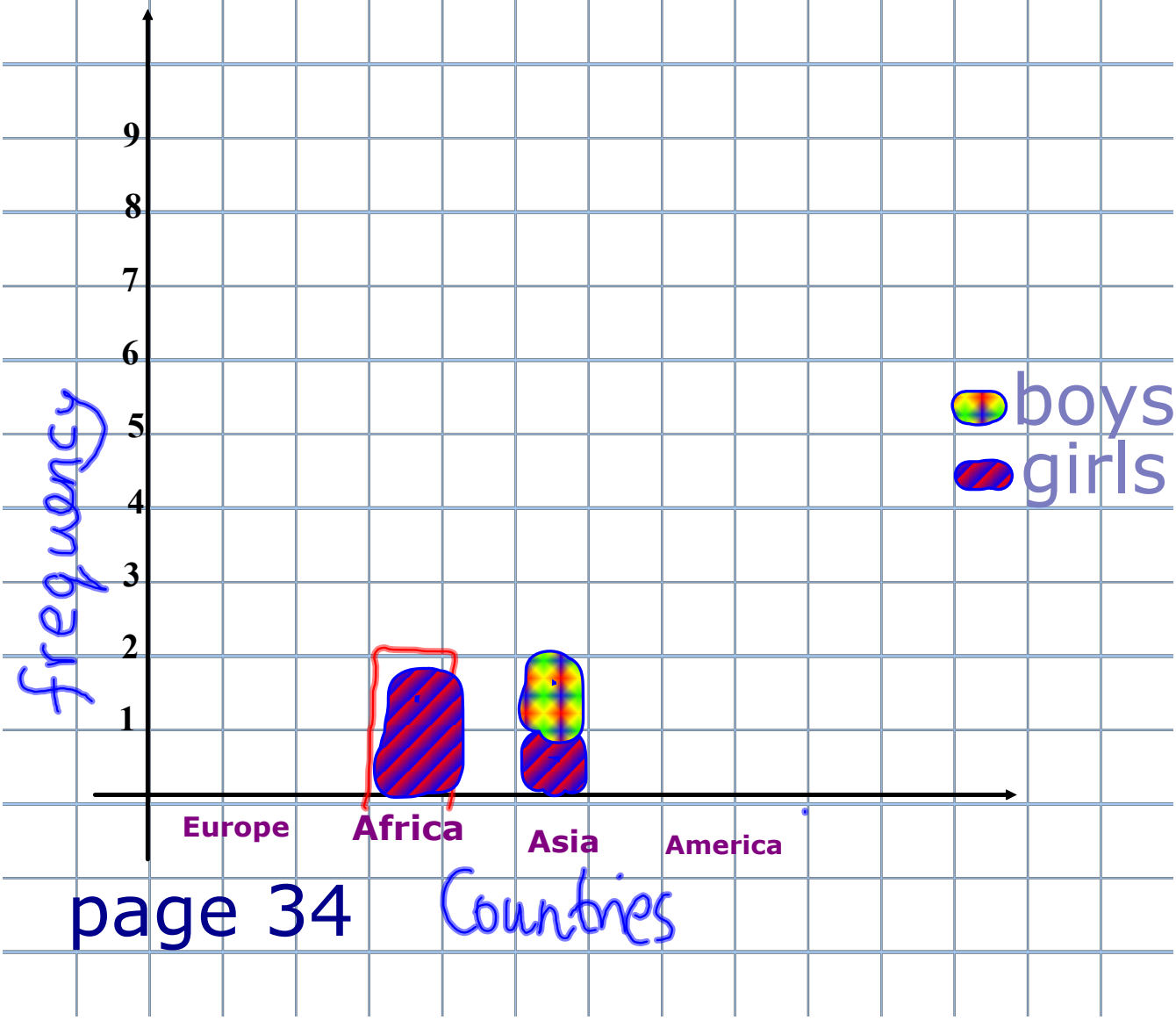
ages

adults + teenagers

If Year 10 could go anywhere on holiday...

	Europe	Africa	Asia	America
girls	0	2	1	3
boys	0	0	1	7

If Year 10 could go anywhere on holiday...



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Pictograms

Did You Know?

Some of the UK's best-known birds are disappearing? Changes in the way crops are grown means there is less food for birds when they need it, and hedges have been cut down leaving nowhere for the birds to nest, shelter and feed.

Look at the pictogram showing how many birds visited a bird table during one hour in May 1970. Use the information to answer the questions below.

House sparrow	
Blackbird	
Starling	
Song Thrush	
Robin	
Key	 = 2 Birds  = 1 Bird

Questions

1. Which bird was the most frequent visitor?

2. 14 house sparrows visited the bird table. Fill in the pictogram to show this number.

3. How many more starlings came to the table than song thrushes?

4. What is the difference between the number of robins and the number of blackbirds?

5. Records show that between 1970 and 1998 starlings, house sparrows and song thrushes had declined by 1/2; that blackbirds had declined by 1/4; and robin numbers had increased by 1/2. Draw a pictogram to show the number of birds you might expect to visit the bird table during one hour in 1998.

Test next Wednesday!

Pictograms

A pictogram to show colour of eyes among year 10

colour	tally	freq
blue	𝍸	4
brown	1	1
~~black~~	11	2
green	𝍸 1	4
other	1	1

blue	☺ ☺
brown	
black	
green	
other	

key: ☺ reps 2 people

Pie Charts

England 20 $20 \times 10^\circ = 200^\circ$

Scotland 10 $10 \times 10^\circ = 100^\circ$

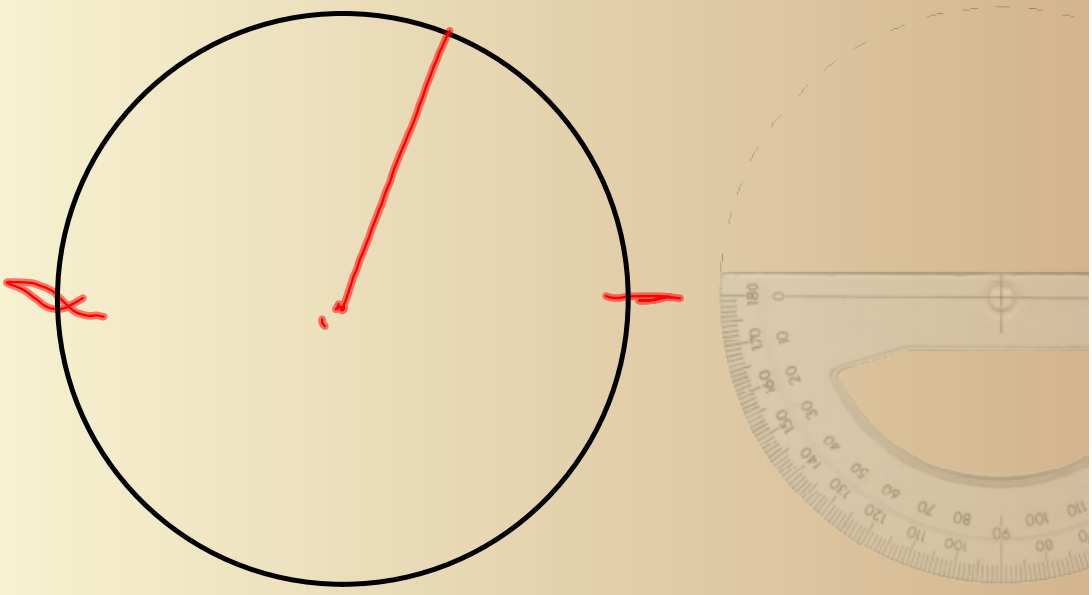
Wales 6 $6 \times 10^\circ = 60^\circ$

Total 36

1 pupil = $360 \div 36 = 10^\circ$ per person

Drawing the circle...

..not as easy as it looks!

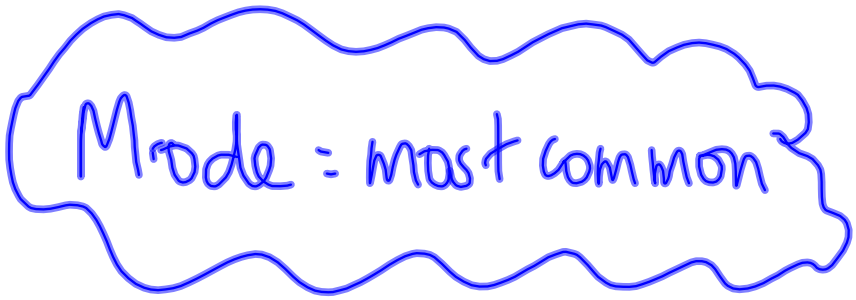


2. Netball 10 $10 \times 20 = 200^\circ$

Tennis 8 $8 \times 20 = 160^\circ$

Total 18

No of degrees per person $360 \div 18 = 20^\circ$


Mode : most common