

Which way is the best way?

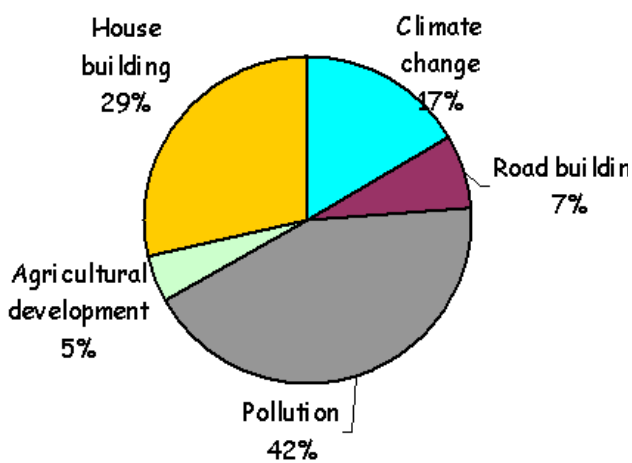
Class R are analysing data from the following *CensusAtSchool* Phase 3 question

*Rank the following threats to trees and woodland in your area:
(rank from 1 - greatest threat to 5 - least threat.)*

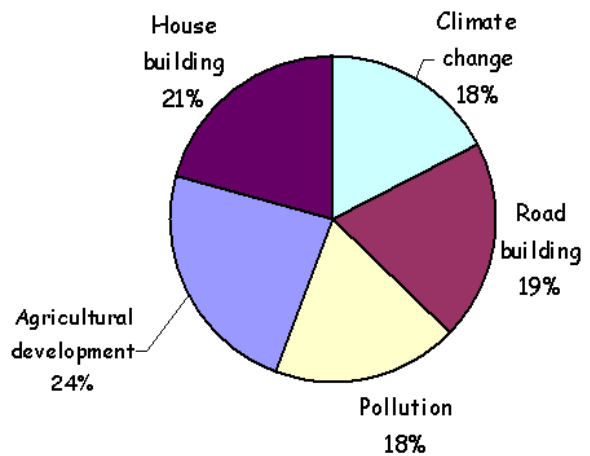
*Climate Change,
Road building,
Pollution,
Agricultural development,
House building.*

Sami has drawn a pie chart and so has Jodey - but they look very different from each other and seem to give different views. Have a careful look at the pie charts and the data used (on page 2) and see which chart you think is the best way to display the data. Have you come up with some good arguments for your conclusion?

Sami



Jodey



Thoughts on the Threat to Trees and Woodland in our area.

TASK Either using data from your own class or from a random sample of data from the web site draw the best graph of the results for this question. Exactly what information does your graph give you?

Data:

Pupil	Climate	Roads	Pollution	Agriculture	Houses
1	4	2	1	3	5
2	5	4	1	3	2
3	5	3	1	4	2
4	4	2	1	5	3
5	2	3	1	4	5
6	5	2	3	4	1
7	4	2	5	3	1
8	3	2	1	5	4
9	1	2	3	5	4
10	1	3	4	2	5
11	4	3	2	5	1
12	3	4	1	5	2
13	2	3	1	5	4
14	5	3	1	2	4
15	5	2	1	4	3
16	3	5	1	4	2
17	2	3	1	4	5
18	5	3	2	4	1
19	3	4	1	2	5
20	1	3	2	4	5
21	4	5	3	2	1
22	3	1	4	2	5
23	3	2	1	5	4
24	1	3	2	4	5
25	1	2	3	5	4
26	1	3	5	4	2
27	4	1	5	3	2
28	1	2	4	3	5
29	5	3	1	4	2
30	3	2	4	5	1
31	3	2	4	5	1
32	5	4	2	1	3
33	3	1	5	2	4
34	5	2	4	3	1
35	4	2	5	3	1
36	5	2	1	4	3
37	2	3	1	4	5
38	4	2	3	5	1
39	3	2	4	5	1
40	2	5	1	3	4

EXTENSION TASK

Just to confuse even more Ben comes up with the following stacked bar chart. How he has analysed the data? Try to show your data in this way. Which threat is ranked (i) highest (ii) lowest by the pupils in the sample?

