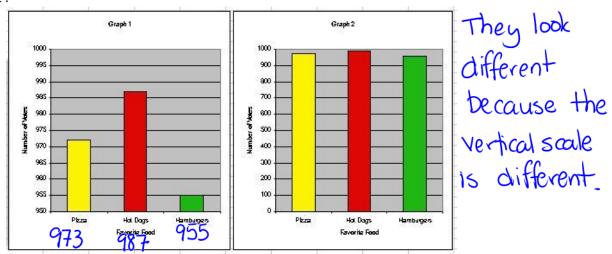
Date:	
Date.	

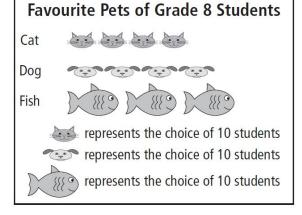
1.2 Misrepresenting Data

There are many ways that a graph can be misleading:

P Daddy surveys a number of people to find out their favorite fast food. He draws the two graphs below. Do they show the same data? Why do they look different?



Which of the graphs is misleading? What makes the graph misleading? because it makes the difference Graph #1 * intervals are not the heights very large. look 120 House Sales in 1 Month What makes this graph showing house sales misleading? 115 interval 0-100 (100) 110 (5)intervals 105 100 intervals sized different Company

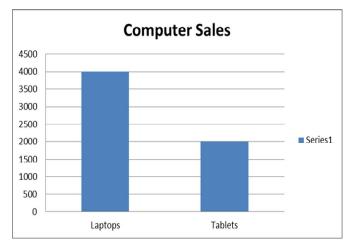


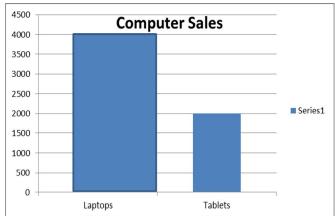
What is the favourite pet of grade 8 students? dogs and cats are equally popular.

How does this graph misrepresent the answer? the pictures are different

sizes.

T "distorted visual"





Do these two graphs show the same information?

How is one of the graphs misleading?

Annual Cost of Taking
Care of a Bike

40

20

1997 2007

Year

"distorted visual". The bars are different widths in the second graph.

What is the cost of maintaining a bike in:

a) 1997

b) 2007

Does this graph make it look like the 2007 cost is only double the 1997 cost?

How many times bigger does the 2007 cost look compared to the 1997 cost?

Redraw the graph so that it is not misleading

