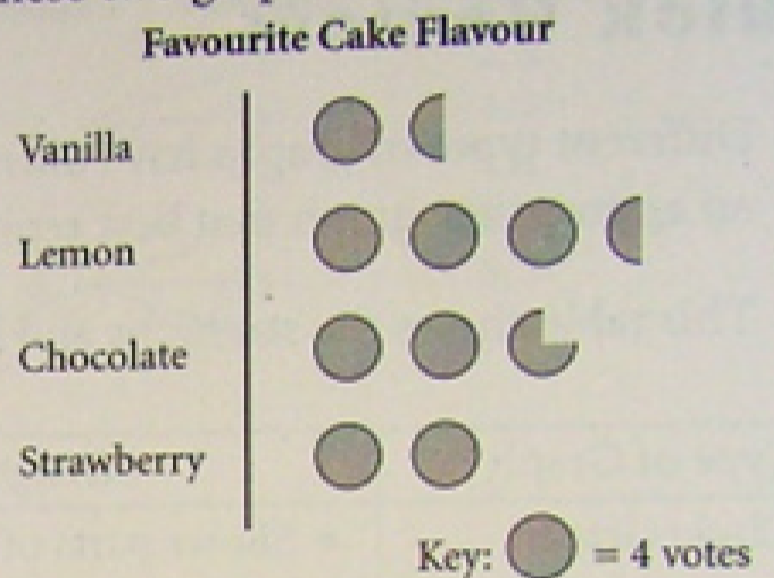
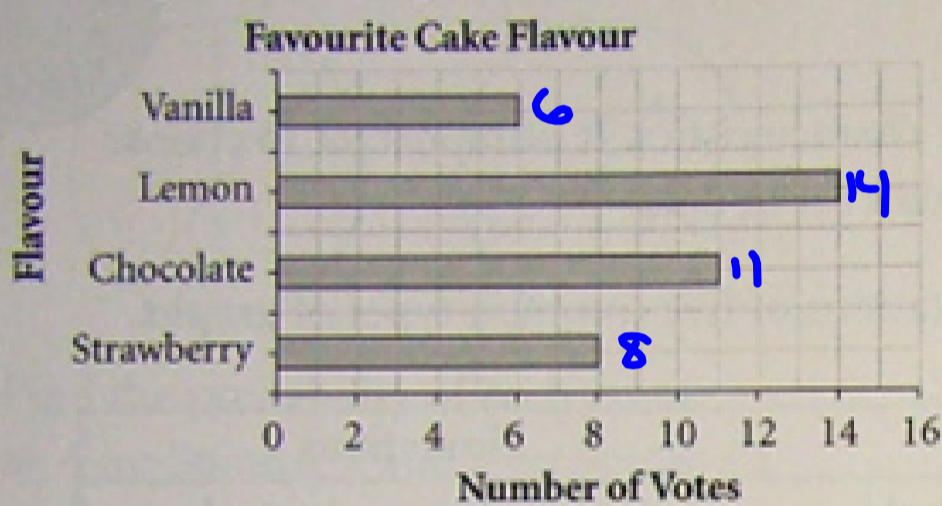


Warm Up Grade 8



1. Rebecca's family hosted a party to gather opinions on the choice of flavour for her sister's wedding cakes. The guests' votes are displayed in these two graphs.



- a) Which flavour is the most popular? Lemon the least popular? Vanilla
- b) How many people voted at the party? $6 + 14 + \underline{11} + \underline{8} = \underline{39}$
- c) From which graph is it easier to gather the information? Explain.

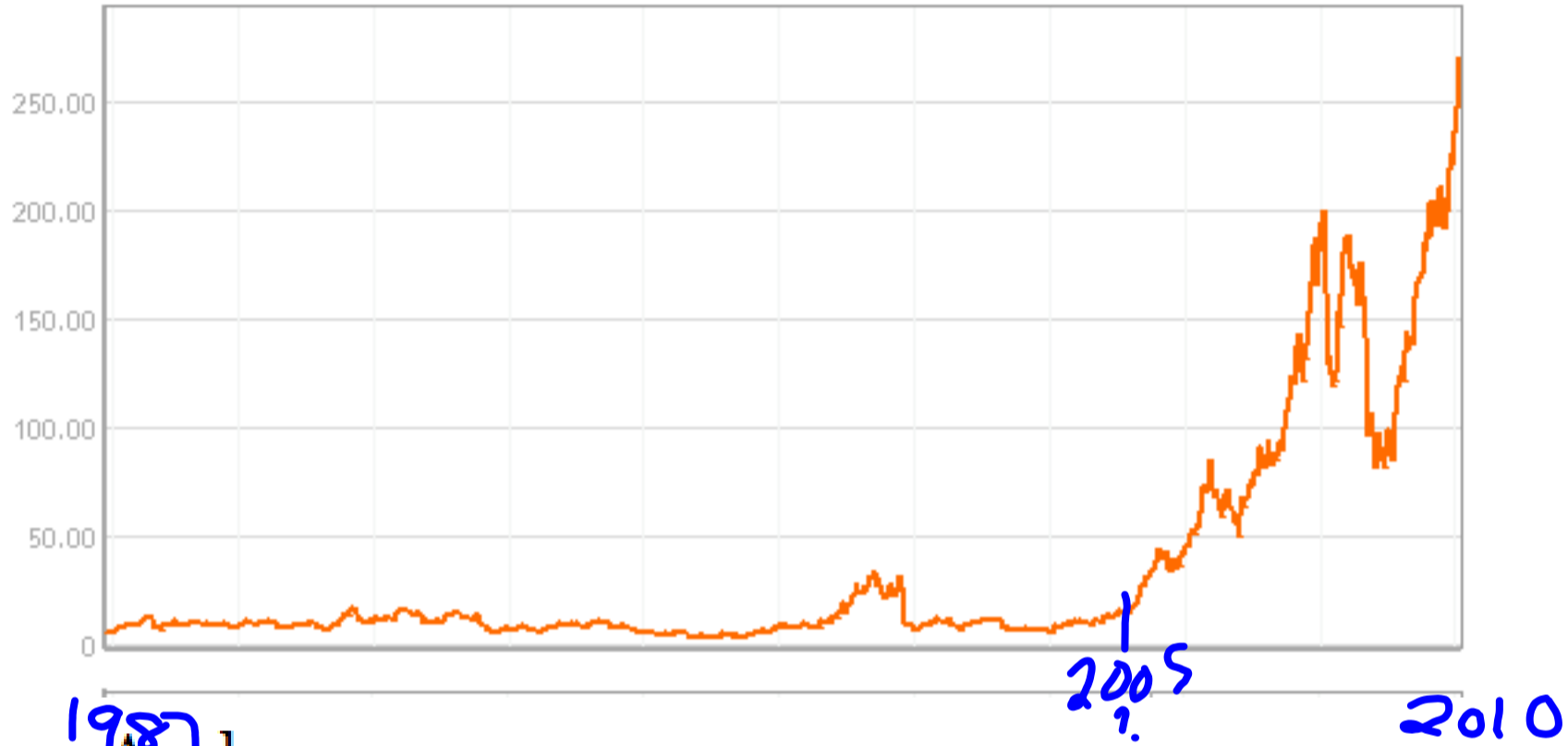
Bar graph since I can easily read scale and the # of people
 (Not pictograph since I have to do some calculation knowing $\bigcirc = 4$ people)

<http://www.theglobeandmail.com/globe-investor/markets/stocks/chart/?q=AAPL-Q>

Apple

AAPL | NASDAQ | Industrial Products

Latest **269.50** US\$ | Change -- -- | Volume **65,411** | Apr 26, 2010 5:00:01 PM
NASDAQ data delayed 15 minutes.



Apple

AAPL | NASDAQ | Industrial Products

Latest **269.50** US\$ | Change -- -- | Volume **65,811** | Apr 26, 2010 5:00:01 PM
NASDAQ data delayed 15 minutes.



3. Graph B is misleading because the scale on the vertical axis starts at 100, which exaggerates the difference between the number of cans each person collected.
4. a) Graph A gives the impression that about 4 times as many students prefer Stanley Park to Canada Place. Graph B gives the impression that the number of students who prefer each place is about the same.
- b) Graph A exaggerates the differences between the numbers by starting the scale on the horizontal axis at 5. Graph B minimizes the differences between the numbers by extending the horizontal axis to 100, even though no more than 9 students chose any place.
- c) Stanley Park. The bar for Stanley Park is much longer than the other two bars.
- d) Canada Place. The bars look like they all have about the same length, making it appear that each place is equally popular. So, it was probably created by someone who wants to go to the least popular choice, Canada Place.
- e) To graph the data accurately, I would start the horizontal axis at zero and let one grid square represent 1 student.

5. a) Incorrect. On Graph A, the point above April is about 3 squares higher than the point above January. So, people might make this conclusion if they do not notice that the scale starts at 100, not 0.
- b) Incorrect. On Graph A, the point above March is about 2 squares higher than the point above January. So, people might make this conclusion if they do not notice that the scale starts at 100, not 0.
- c) Correct
- d) Correct

Class/Homework

3, 4, 5

page 401 # 6, #7, #8, #9, #10, #11, #14

Answers
528

If you are loud I will assign this for homework and we will move onto a new lesson on Probability