

# Data Management: Collection & Display

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1.



**Primary data** refers to data you obtain from Farmer Brown.

True

False

2. A phone book is an example of **secondary data**.

True

False

3. A circle graph is not divided into sections that represent percentages out of 100.

True

False

4. A **circle graph** shows how each part of a data set compares to the whole.

True

False

5. A **database** is an organized collection of information, often stored electronically.

True

False

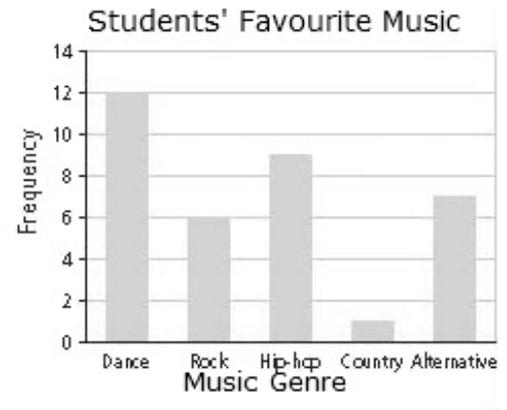
6. The high & low temperatures ( $^{\circ}\text{C}$ ) in Ottawa for last week were: (23, 15), (22, 17), (29, 19), (19, 15), (21, 11), (20, 17), (21, 18). What would be an appropriate way to organize & display the data?

- (A) bar graph
- (B) stem-and-leaf plot
- (C) circle graph
- (D) spreadsheet



7. What fraction of the students like Alternative music?

- (A) 15%
- (B) 20%
- (C) 25%
- (D) 30%



8. What data values are represented by the following **stem-and-leaf plot**?

- (A) 3, 8, 9, 5, 8, 3, 6
- (B) 63, 68, 69, 75, 78, 79, 83, 86
- (C) 9, 14, 15, 12, 16, 11, 14
- (D) 36, 86, 96, 57, 58, 59, 83, 86

Stem (tens)	Leaf (ones)
6	3 8 9
7	5 8 9
8	3 6

9. Study the following stem-and-leaf plot. Which stem contains the most data?

- (A) 6
- (B) 7
- (C) 8
- (D) 9

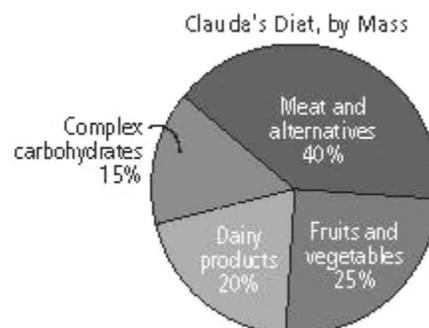
Stem (tens)	Leaf (ones)
6	3 8 9
7	5 8 9
8	3 6 7 7 8
9	2 3 5 6

10. If  $\frac{4}{5}$  of a circle graph represent 80%, what percent does  $\frac{2}{5}$  of a circle graph represent?

- (A) 16%
- (B) 32%
- (C) 40%
- (D) 45%

11. What type of food accounts for  $\frac{1}{4}$  of Claude's diet?

- (A) dairy products
- (B) meat and alternatives
- (C) fruits and vegetables
- (D) complex carbohydrates



12. A section of a circle graph measures  $90^\circ$ . What fraction of the whole does this section represent?

- (A)  $\frac{1}{4}$
- (B)  $\frac{1}{2}$
- (C)  $\frac{2}{3}$
- (D)  $\frac{3}{4}$

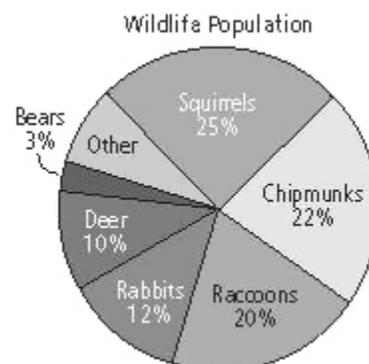
13. Which of the following can you conclude from the data?

- (A) More than 40% of the people like to swim.
- (B) More people enjoy tanning than swimming.
- (C) Playing sports is the most popular beach activity.
- (D) Building sandcastles with motorcycles is the most popular beach activity.

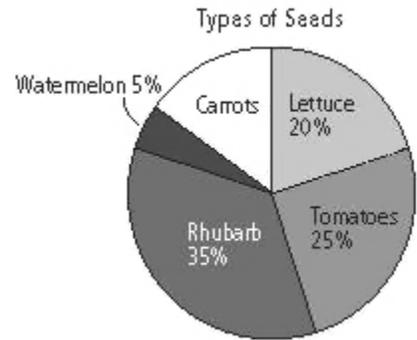


14. Farmer Brown is given this circle graph about wildlife animals that are kept in the local zoo. He has been told that there are a total of 300 animals. What is the total number of **chipmunks** in the zoo?

- (A) 44
- (B) 60
- (C) 66
- (D) 90

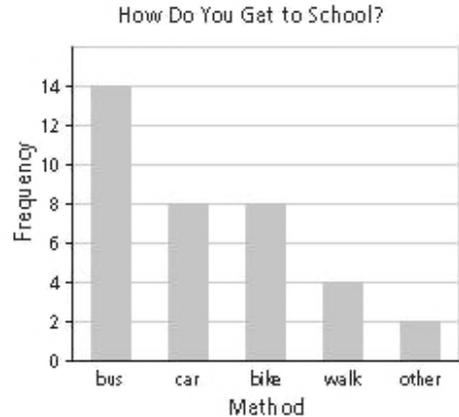


15. Natsuko draws a graph to keep a record of the percent of each type of seeds that she has planted in her garden. She records all percents except for the carrots. What percent of the seeds are **carrot seeds**?



- (A) 5%
- (B) 15%
- (C) 20%
- (D) 25%

16. You are asked to make a circle graph of the data in this bar graph. What should be the angle measure of the **Bus** section?



- (A)  $90^\circ$
- (B)  $140^\circ$
- (C)  $190^\circ$
- (D) more than  $190^\circ$

17. Mr. Fitch spends 3 hours a day riding his motorbike. If a circle graph represents one day, what is the angle measure of the section that represents his riding time?



- (A)  $30^\circ$
- (B)  $45^\circ$
- (C)  $270^\circ$
- (D)  $300^\circ$

18. The stem-and-leaf plot shows the speed of a motorbike in km/h. Which speed occurs most often?

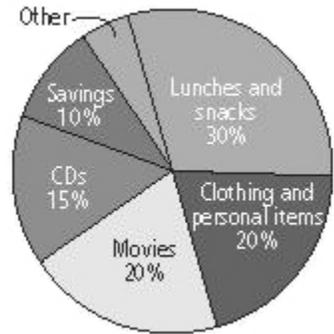
Stem (tens)	Leaf (ones)
7	0 1 4 6 7 9
8	0 3 3 4 6 6 6 7 8 9
9	1 2 2 3 4 7 8

- (A) 98 km/h
- (B) 6 km/h
- (C) 89 km/h
- (D) 86 km/h

19. How much of Mary's monthly budget does she spend on movies and CDs?

- (A) \$80
- (B) \$70
- (C) \$35
- (D) unknown

Mary's Monthly Budget: \$200



20.

	A	B	C
1	Monday	23	
2	Tuesday	12	
3	Wednesday	32	
4	Thursday	29	
5	Friday	12	
6	Saturday	39	



Spiderman created a spreadsheet to show how many papers he delivered last week. Which CELL shows how many papers he delivered on Saturday?

- (A) B
- (B) 6B
- (C) B6
- (D) 6