

Monday May 17, 2021 Activator

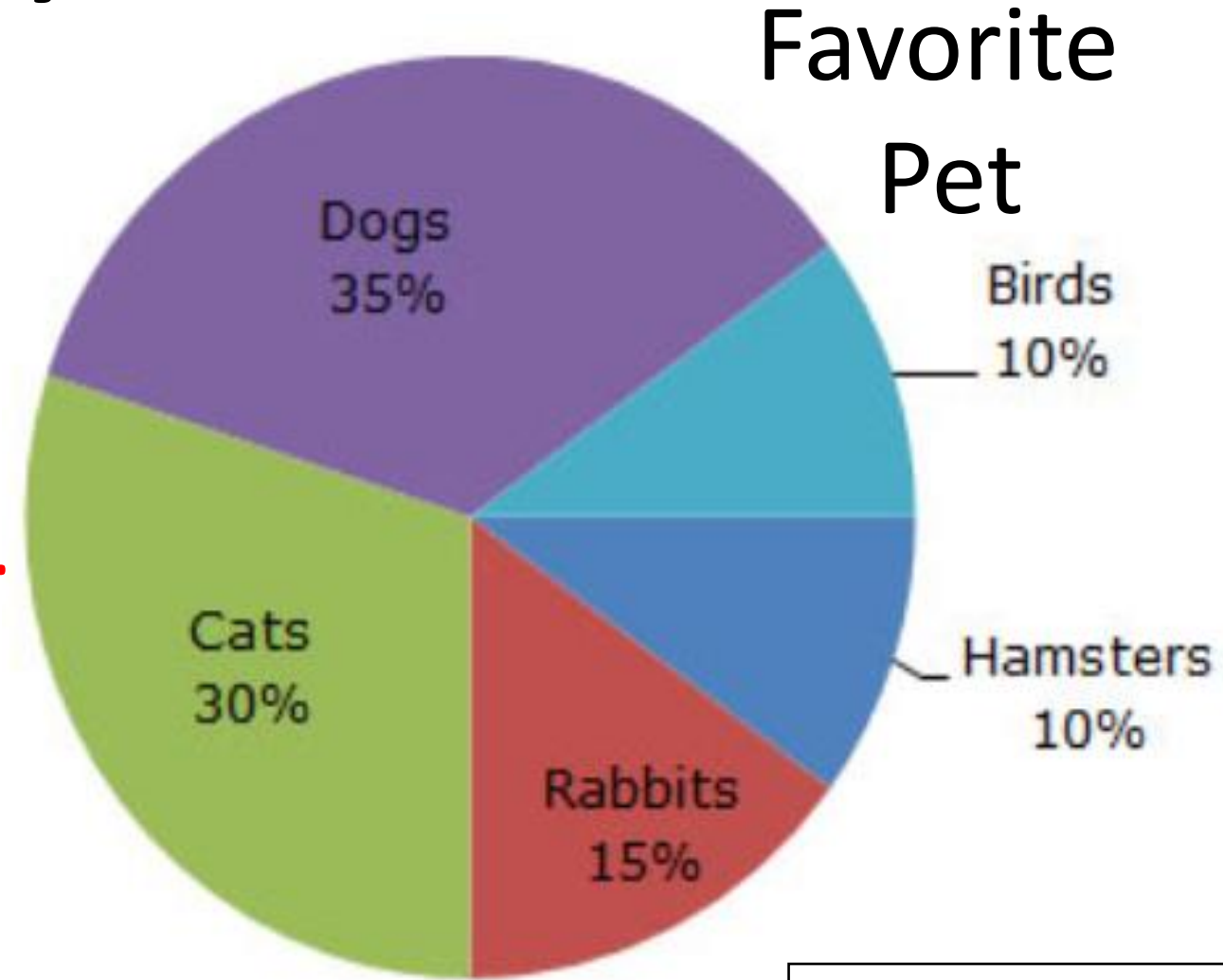
Write one statistic from the survey.

From a favorite pet survey, it was found the 35% of people prefer dogs as their favorite pet.

Is percents different than the number of people?

Yes, much different

So, does $30\% = 30$ people? **No**



Today's Objective

Unit 3 Lesson 1

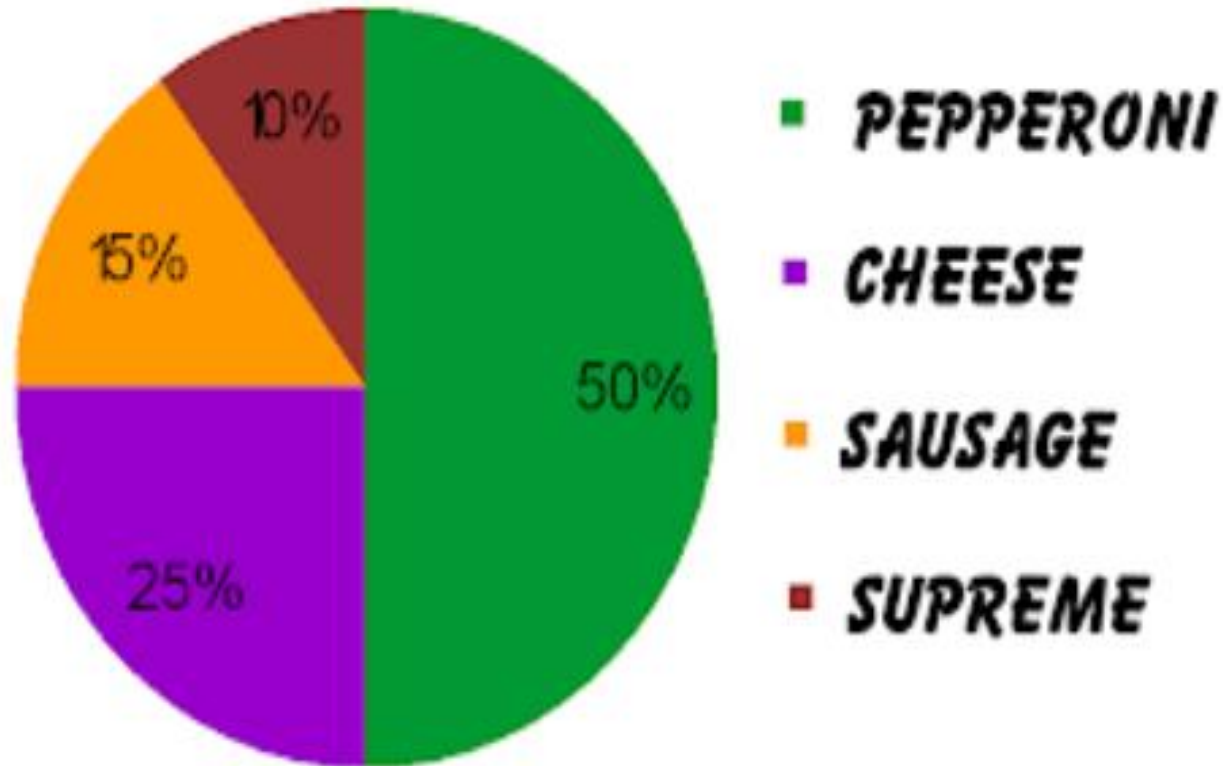
Students will be able to analyze circle graphs and venn diagrams for statistics.



Unit 3.1 Real Life Pictures

Circle Graph

FAVORITE PIZZA TOPPINGS



Vennn Diagram



Definition

the results of a survey shown in a percent and circular way.

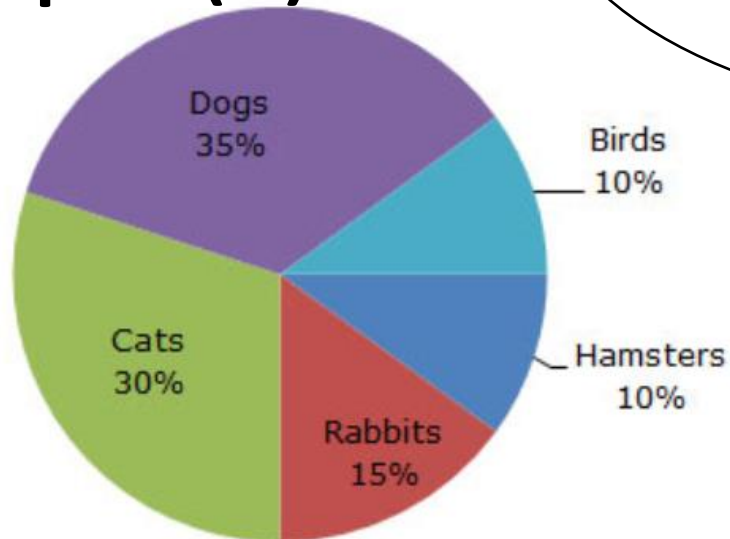
Facts

(1A of 4)

- AKA is pie chart.
- Stated as a percent.
- Easy to visualize information and data.

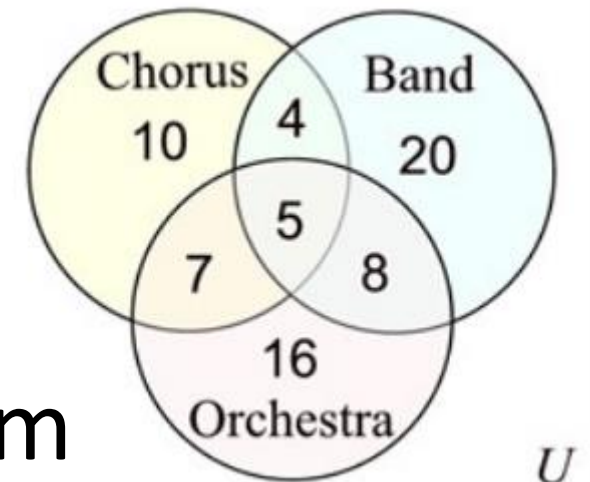
Circle Graph

Example(s)



Non-Example(s)

Venn Diagram



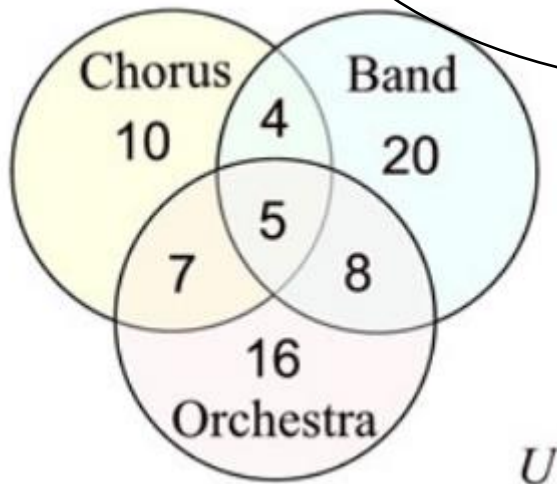
Definition
shows the logical relationships between sets.

Facts **(1B of 4)**

By John Venn in the 1880's.
Overlapping areas indicate elements common in both

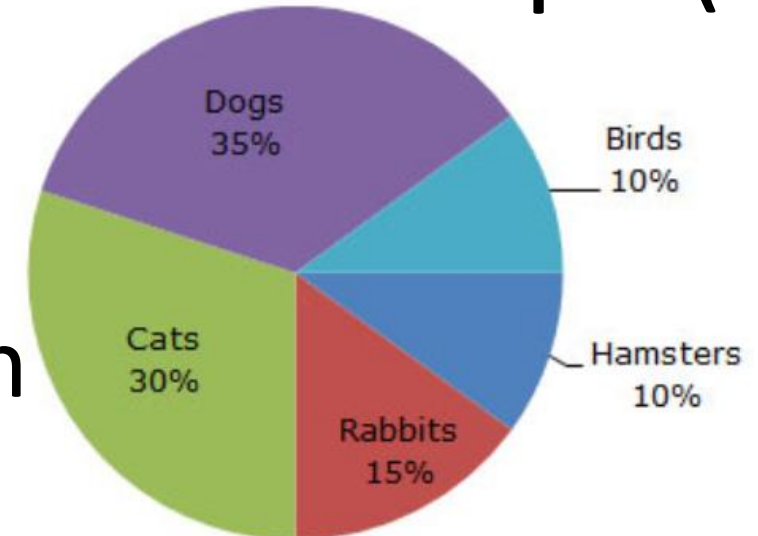
Venn Diagram

Example(s)



Non-Example(s)

Circle Graph



Today's New Vocab (2 of 4)

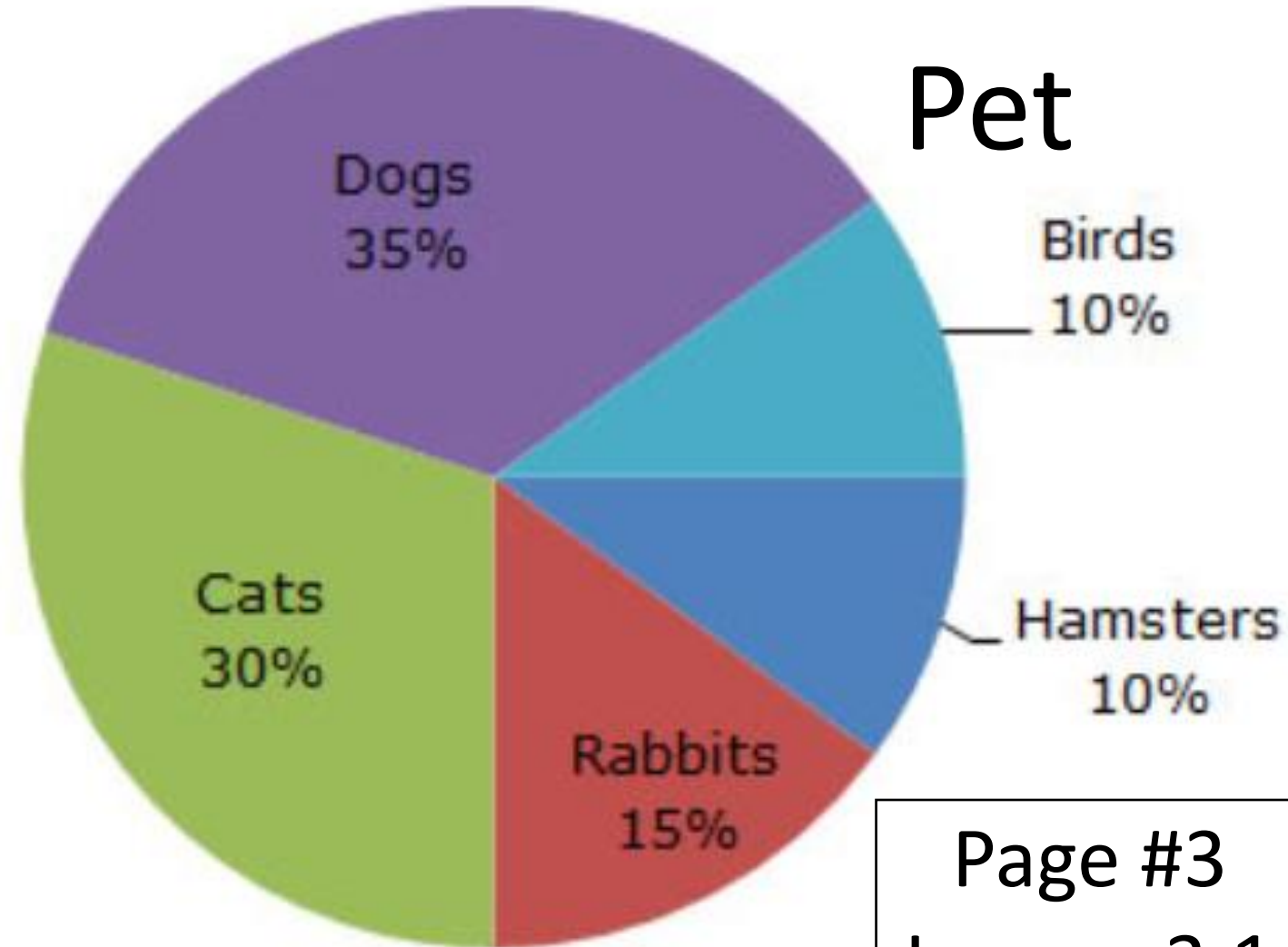
Favorite Pet

If there were 200 people surveyed, how many of those 200 people like dogs?

$$\frac{35}{100} (200) = 70 \text{ people}$$

Like cats?

$$\frac{30}{100} (200) = 60 \text{ people}$$

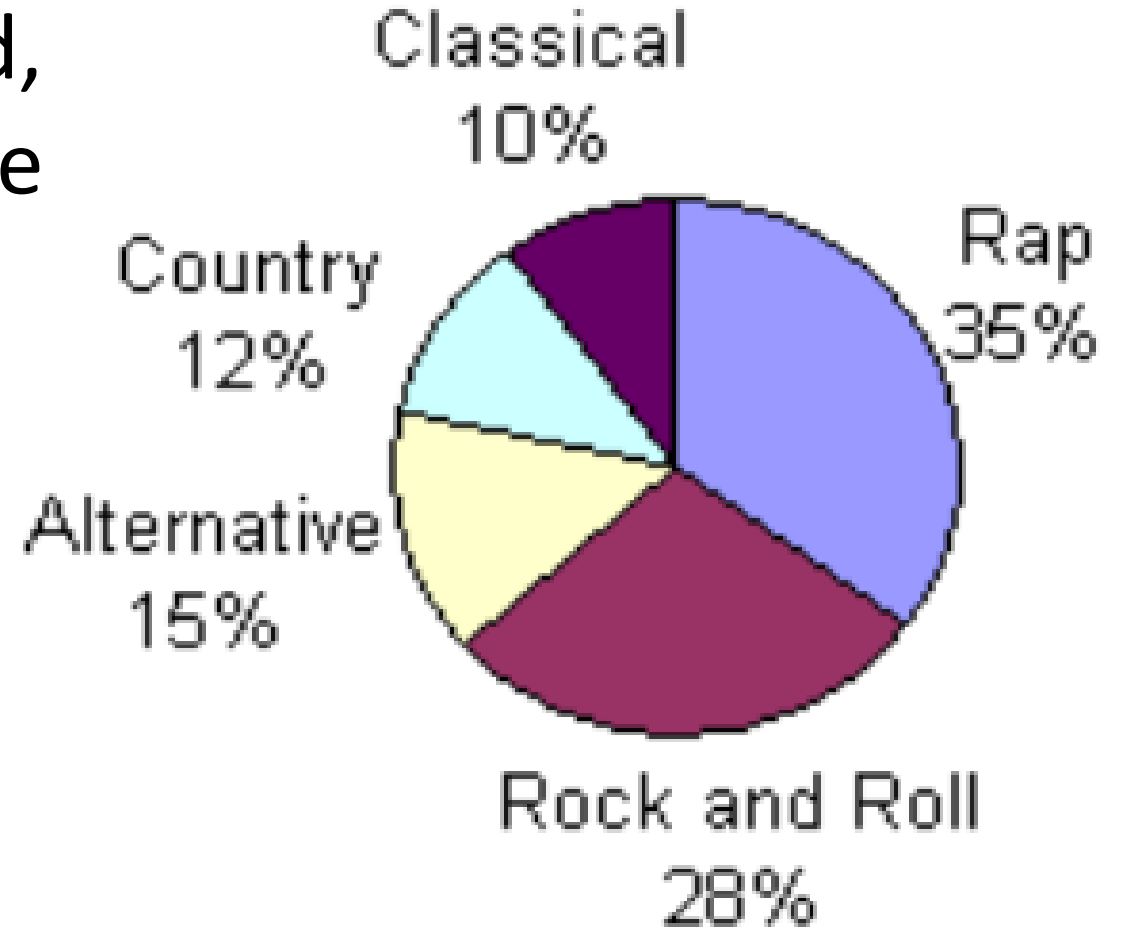


Today's New Vocab (3 of 4)

If there were 300 people surveyed, how many of those 300 people like Rap or Country music?

$$\frac{35}{100} + \frac{12}{100} = \frac{47}{100} = 47\%$$

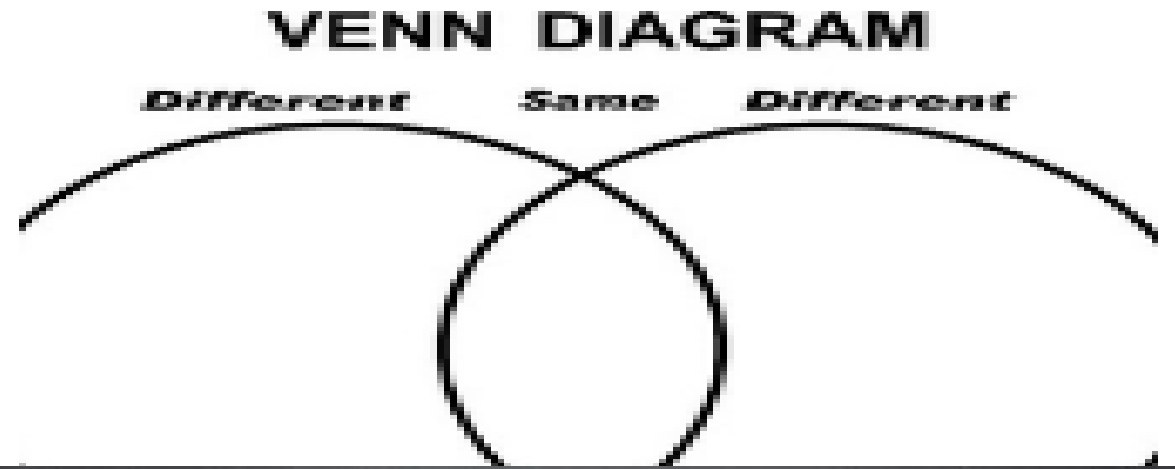
$$\frac{47}{100} (300) = 141 \text{ people}$$



Today's New Vocab (4 of 4)

Write one similarity.

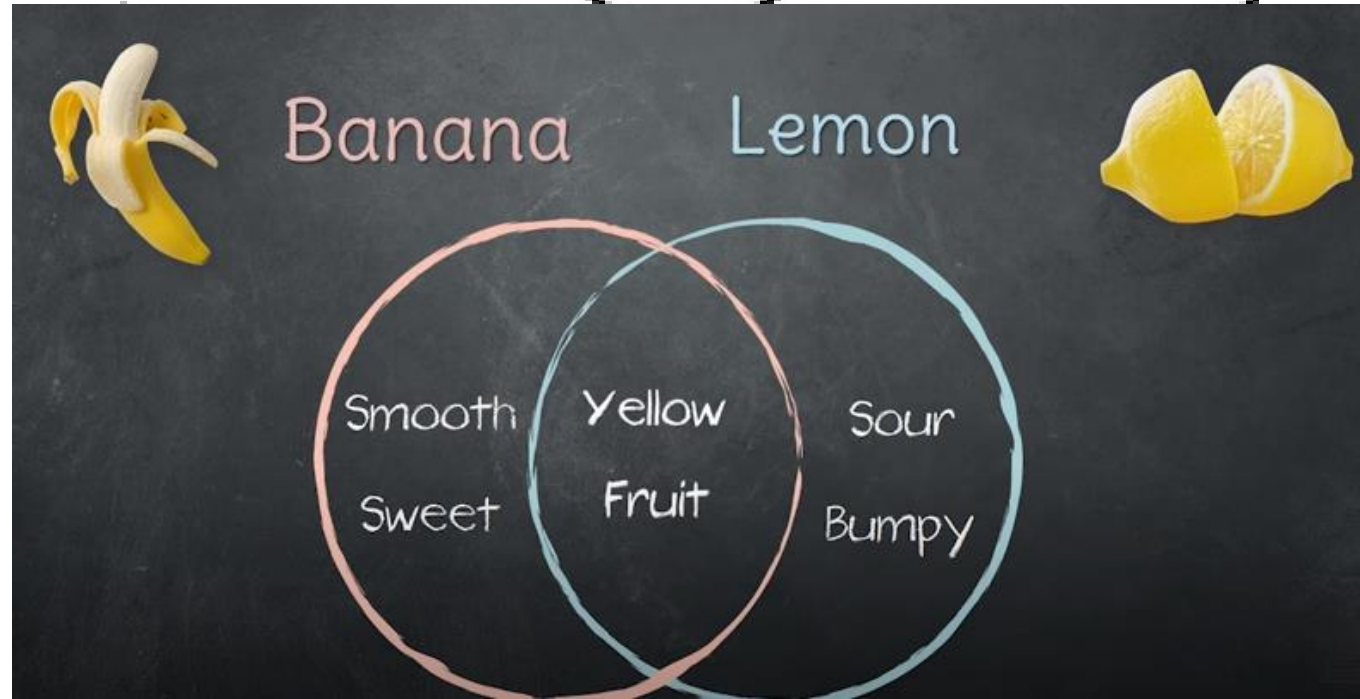
Page #4
Lesson 3.1



These are yellow fruits.

Write one difference.

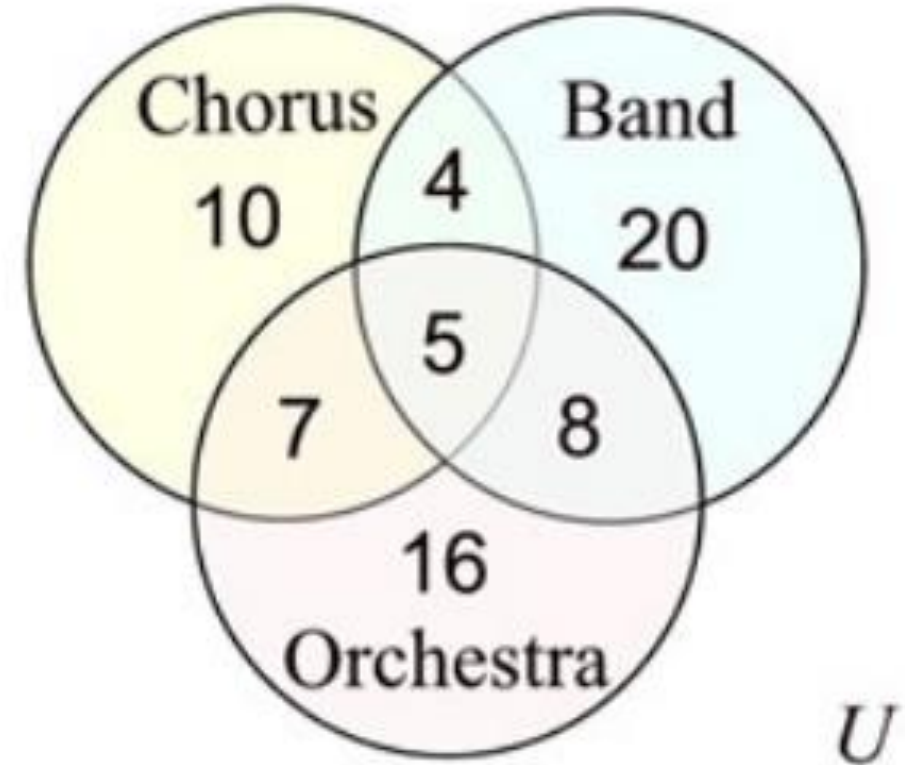
Bananas are smooth and sweet.



Monday May 17, 2021 Work Period

All of the students in Mrs. Smith's classes belong to the Chorus, Band and/or Orchestra as shown in the Venn diagram at the right. If one student is chosen at random, what is the fraction that the student belongs to the Chorus and the Band?

Triple Venn Diagram



BOTH Chorus/Band

Total

$$4 + 5$$

$$10 + 20 + 16 + 7 + 8 + 5 + 4$$

$$\frac{9}{70}$$

Monday May 17, 2021 Exit Ticket

What percent of students prefer only chorus?

$$\frac{10}{70} (100) = 14\%$$

What percent of students prefer only orchestra?

$$\frac{16}{70} (100) = 23\%$$

