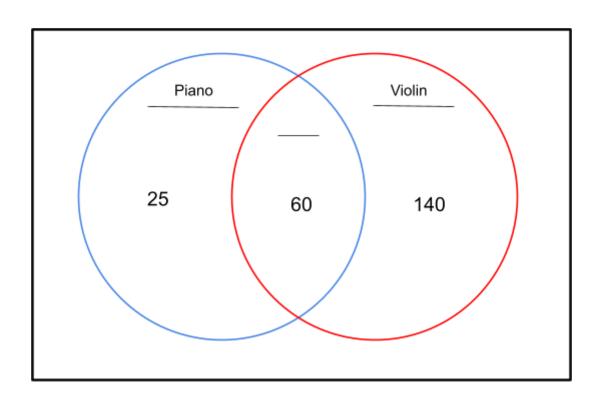
Interpreting Venn Diagrams

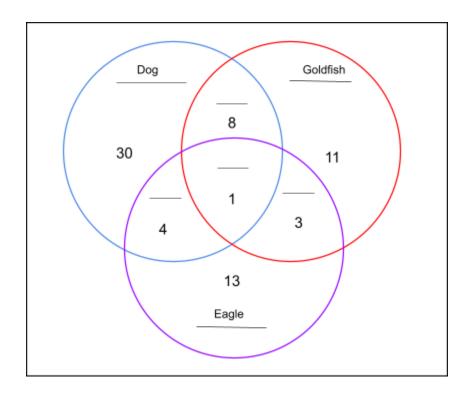
UCLA Olga Radko Math Circle Beginners 2 5/23/2021



Problem 1:

- 1. Paul asked 320 students whether they played the piano and the violin.
 - a. Fill in the missing pieces of the Venn Diagrams.
 - b. Based on the Venn Diagram, how many play:
 - i. Piano Only: _____
 - ii. Violin Only: _____
 - iii. Piano: _____
 - iv. Violin: _____
 - v. Violin and Piano: _____
 - vi. Neither: _____

Problem 2:



- 1. Marcus asked 84 pet owners whether they own a goldfish, a dog, and an eagle.
 - c. Fill in the missing pieces of the Venn Diagrams.
 - d. Based on the Venn Diagram, how many own:
 - i. Dog Only: _____
 - ii. Eagle Only: _____
 - iii. Dog and Goldfish: _____
 - iv. Dog and Eagle, but not Goldfish:
 - v. Eagle and Dog: _____
 - vi. None of Them:

vii.	All of Them:
viii.	Dog:
ix.	Goldfish: