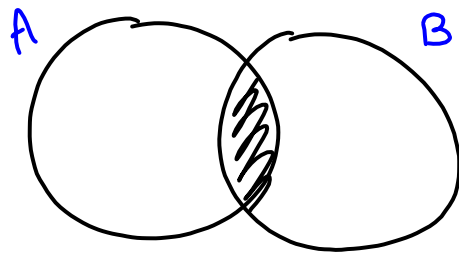
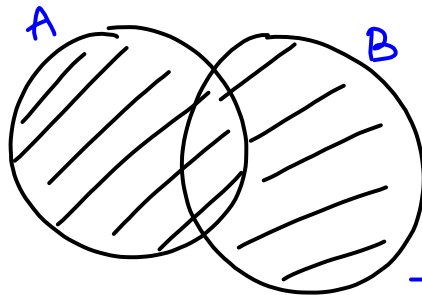


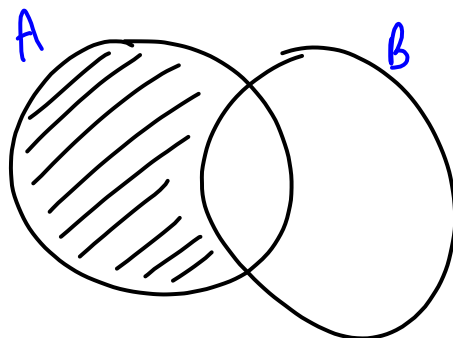
2-Venn Diagrams



- Intersection
- $A \cap B$
- Both
- In set A and B



- union
- $A \cup B$
- Everything in each set
- Set A or B

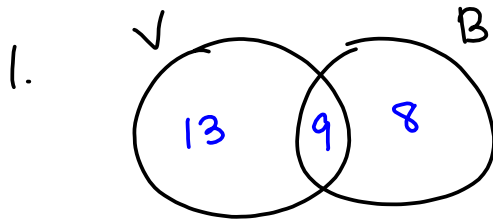


- Set A only
- $A \setminus B$

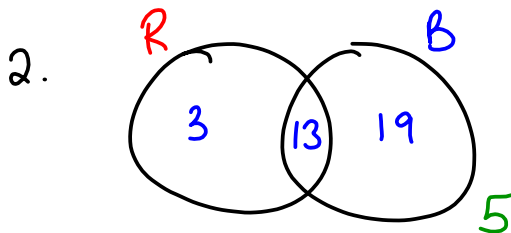
$$n(A \cup B) = n(A) + n(B) - n(A \cap B)$$

total = # in A + # in B - overlap

Two-Venn Diagram sheet Sept. 6/10



volleyball only: 13
total # asked: 30



liked red but not blue: 3

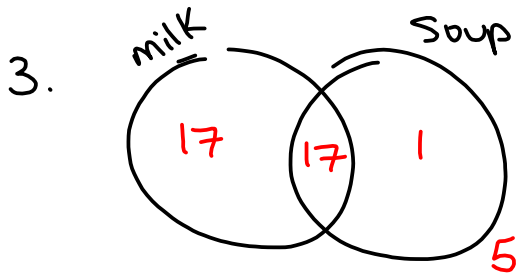
Total: 40

35 A or B

$$16 + 32 = \textcircled{48}$$

over

13 extra (intersection)

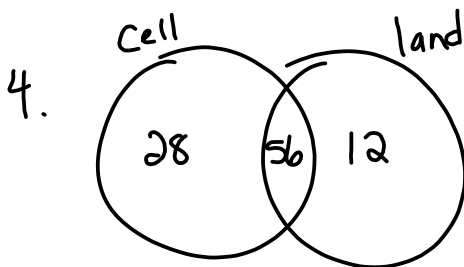


Total: 40

a) milk and soup = 17

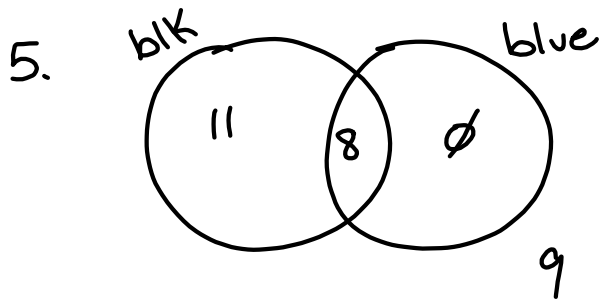
b) milk or soup = 35

* milk only or soup only = 18



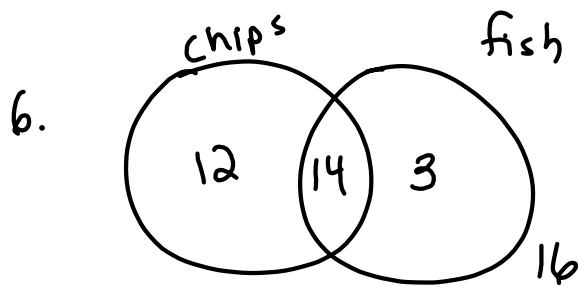
a) both: 56

b) cell only: 28

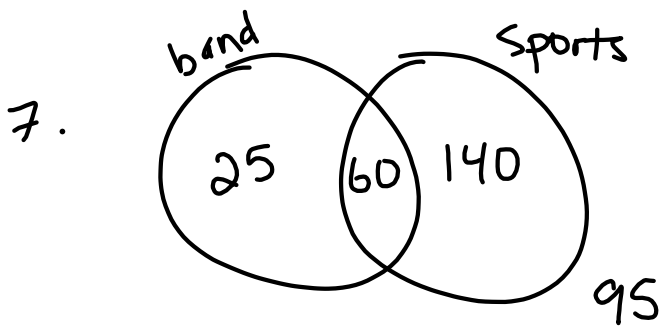


a) both: 8
(and)

b) 11



only fish: 3



a) 225

b) 140

c) 95

