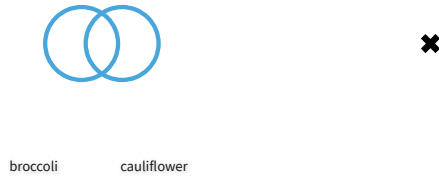




#1

In Dahlia's family there are 6 that like broccoli, 6 that like cauliflower, and 5 who like both. How many of her family members like broccoli, cauliflower, or both? Complete the Venn diagram to help you solve the problem.

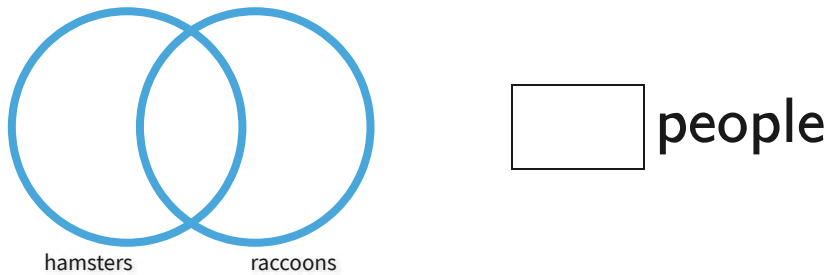


family members

Show your work

#2

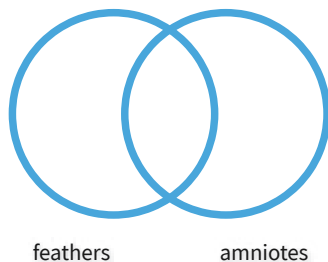
15 of the people in Alexander's office like hamsters. 8 people like raccoons, and 6 people like both hamsters and raccoons. How many people like raccoons but not hamsters? Complete the Venn diagram below to help you solve the problem.



Show your work

#3

8 animals in the zoo have feathers, while 9 are amniotes (don't lay eggs in water, either lay them on land or incubate in the mother). There are also 7 animals that do both. How many animals are amniotes but don't have feathers? Complete the Venn diagram below to help you solve the problem.



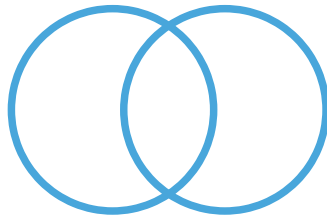
- 10
- 9
- 11
- 2

Show your work



#4

15 of the people in Makayla's family know how to ride a bike and 8 of them know how to ride a horse. 2 people know how to ride both a bike and a horse. How many people know how to ride a bike or a horse or both? Complete the Venn diagram below to help you solve the problem.



bike

horse

24

22

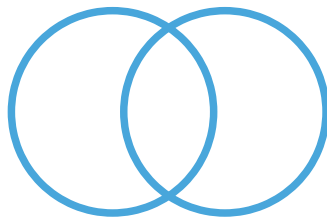
23

21

Show your work

#5

6 of the people in Matthew's office like hamsters. 5 people like raccoons, and 3 people like both hamsters and raccoons. How many people like raccoons but not hamsters? Complete the Venn diagram below to help you solve the problem.



hamsters

raccoons

7

2

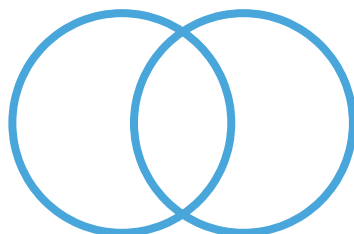
9

8

Show your work

#6

5 of the students in Kayla's class like to eat cereal. 15 students like to eat yogurt, and 2 students like to eat both cereal and yogurt. How many people like to eat yogurt but not cereal? Complete the Venn diagram below to help you solve the problem.



cereal

yogurt

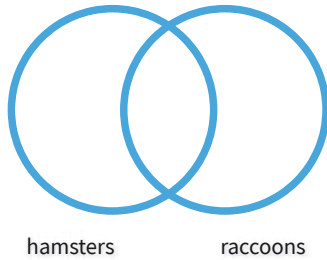
students

Show your work



#7

13 of the people in Makayla's office like hamsters. 8 people like raccoons, and 4 people like both hamsters and raccoons. How many people like raccoons but not hamsters? Complete the Venn diagram below to help you solve the problem.

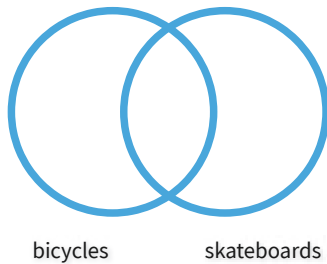


- |                          |                          |
|--------------------------|--------------------------|
| <input type="radio"/> 4  | <input type="radio"/> 16 |
| <input type="radio"/> 17 | <input type="radio"/> 18 |

Show your work

#8

Of Caleb's friends, 8 ride bicycles, 7 ride skateboards, and 3 ride both. How many friends ride skateboards but not bicycles? Complete the Venn diagram below to help you solve the problem.

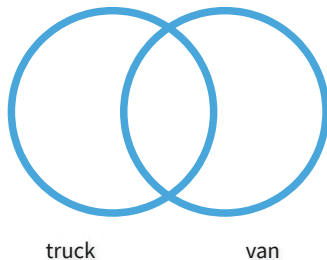


- |                          |                          |
|--------------------------|--------------------------|
| <input type="radio"/> 11 | <input type="radio"/> 13 |
| <input type="radio"/> 4  | <input type="radio"/> 12 |

Show your work

#9

Kids at a party are talking about what type of vehicle their parents drive. 5 kid's parents drive a truck, 9 drive a van, and 3 have both. How many parents drive a truck, van, or both? Complete the Venn diagram to help you solve the problem.



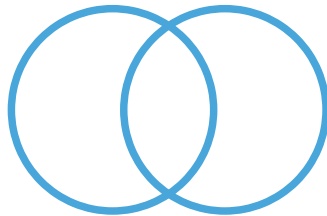
- |                          |                          |
|--------------------------|--------------------------|
| <input type="radio"/> 11 | <input type="radio"/> 13 |
| <input type="radio"/> 15 | <input type="radio"/> 14 |

Show your work



#10

At a gathering there are 11 people wearing shorts, 10 wearing sandals, and 2 wearing both. How many people are wearing shorts, sandals, or both? Complete the Venn diagram to help you solve the problem.



shorts

sandals

22

21

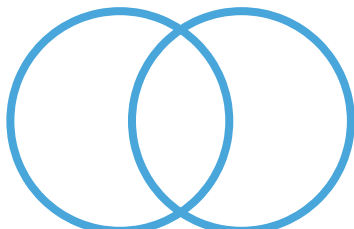
19

20

Show your work

#11

12 of the students in Nick's class like to eat cereal. 13 students like to eat yogurt, and 8 students like to eat both cereal and yogurt. How many people like to eat cereal or like to eat yogurt or both? Complete the Venn diagram below to help you solve the problem.



cereal

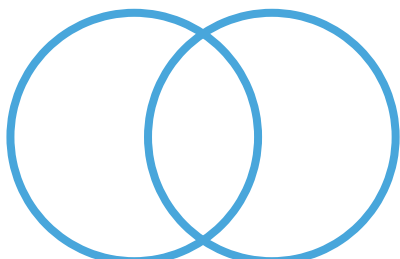
yogurt

students

Show your work

#12

Of all the fish at the aquarium there are 7 that are colourful, 8 that are bottom feeders, and 6 that are both. How many fish are bottom feeders but not colourful? Complete the Venn diagram below to help you solve the problem.



colourful

bottom feeders

fish

Show your work

Question	Answer
#1	7
#2	2
#3	choice 4
#4	choice 4
#5	choice 2
#6	13
#7	choice 1
#8	choice 3
#9	choice 1
#10	choice 3
#11	17
#12	2