Skill 3- 5I: Venn Diagram

Venn Diagram
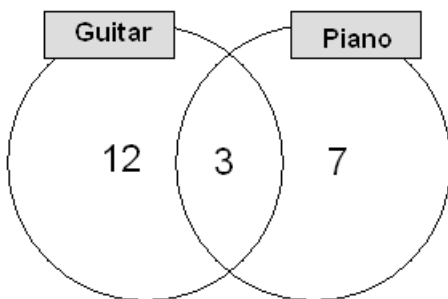
Answers to test question 5H

Football

Melody
Wendy
Ryan
Gene

Jake
Emma

Baseball

Alan
Amanda
Mia

Grace

Marissa

Sean
Sue

Kevin
Rachel
Lisa

Basketball

1. How many students play football? **Answer:** 8

Melody, Wendy, Ryan and Gene play only football. (total of 4 students)

Jake and Emma play football and baseball. (total of 2 students)

Grace plays football, baseball and basketball (total of 1 student)

Marissa plays football and basketball (total of 1 student)

So, there are 8 students altogether that play football. To help answer this question, look at all of the students that are in the football circle.

2. How many students play all three sports? **Answer:** 1

Grace is the only student who is in all three circles.

3. Who plays only baseball and basketball? **Answer:** Sean and Sue play only baseball and basketball.

4. Who plays only football and basketball? **Answer:** Marissa

5. Who plays only basketball? **Answer:** Kevin, Rachel and Lisa.

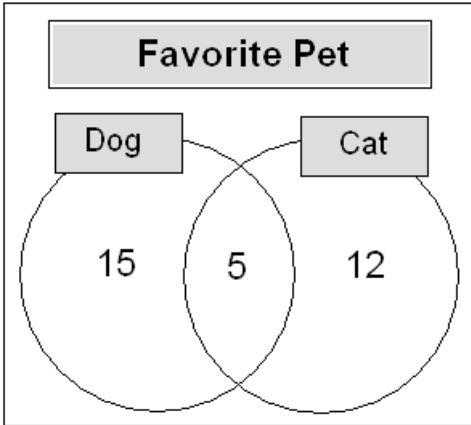**Directions:** Use the Venn diagram to answer the questions.

Band Instruments

Guitar

Piano

12 3 7

1. How many students play guitar? _____

2. How many students play guitar and piano? _____

3. How many students play piano? _____

4. How many students play only guitar? _____
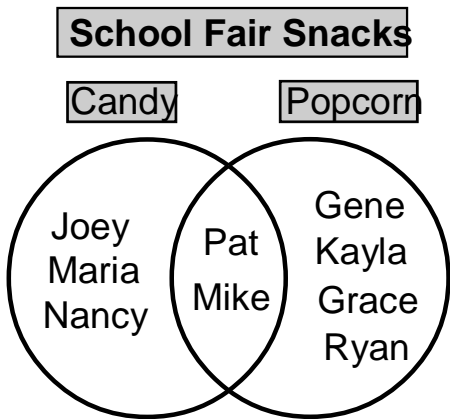
5. How many students play only piano? _____
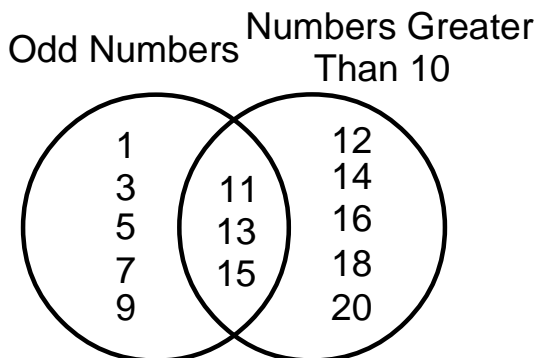
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Venn Diagram

Directions: Use the Venn diagram to answer the questions.

Favorite Pet

Dog | Cat

15 | 5 | 12

6. How many students have dogs? _____

7. How many students have cats? _____

8. How many students have both a dog and a cat? _____

9. How many students have only dogs as pets? _____

10. How many students have only cats as pets? _____

School Fair Snacks

Candy | Popcorn

Joey Maria Nancy | Pat Mike | Gene Kayla Grace Ryan

11. How many students ate candy? _____

12. How many students ate popcorn? _____

13. Who ate both candy and popcorn? _____

14. How many students ate only candy? _____

15. How many students ate only popcorn? _____

Odd Numbers | Numbers Greater Than 10

1 3 5 7 9 | 11 13 15 | 12 14 16 18 20

16. How many odd numbers are in this Venn diagram?

_____

17. How many numbers greater than 10 are in this

Venn diagram? _____

18. Which numbers are odd numbers greater than 10?

_____

Answer Key 3-5H

1. How many students play guitar? $12 + 3 = 15$

2. How many students play guitar and piano? 3

3. How many students play piano? $7 + 3 = 10$

4. How many students play only guitar? 12

5. How many students play only piano? 7

6. How many students have dogs? $15 + 5 = 20$

7. How many students have cats? $12 + 5 = 17$

8. How many students have both a dog and a cat? 5

9. How many students have only dogs as pets? 15

10. How many students have only cats as pets? 12

11. How many students ate candy? $3 + 2 = 5$

12. How many students ate popcorn? $4 + 2 = 6$

13. Who ate both candy and popcorn?   Pat and Mike

14. How many students ate only candy?   3

15. How many students ate only popcorn? 4

16. How many odd numbers are in this Venn diagram? $5 + 3 = 8$

17. How many numbers greater than 10 are in this Venn diagram? $5 + 3 = 8$

18. Which numbers are odd numbers greater than 10? 11, 13, 15