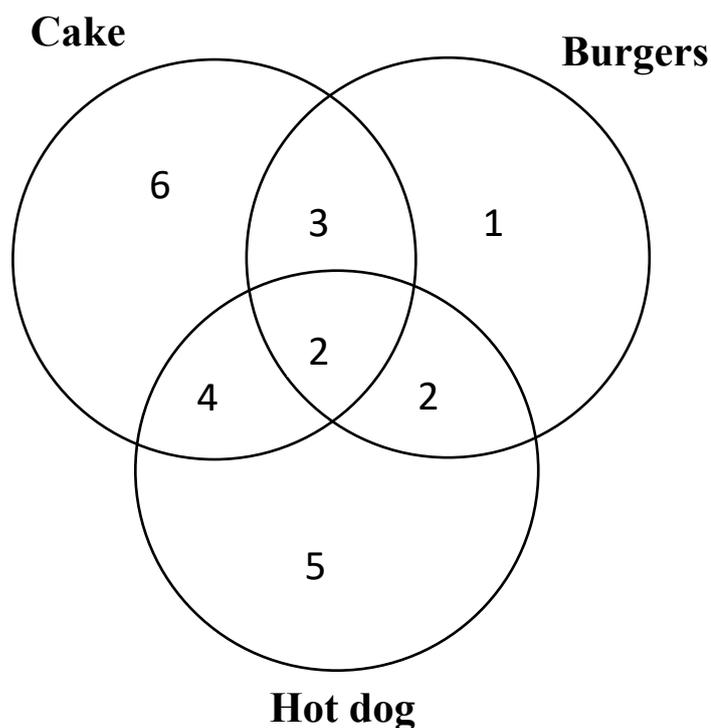**Q4 (Venn Diagram) Day 17 Name:** _____

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1. Sam investigated the types of birthday food people like. Sam asks the people in his class and draws the Venn Diagram below.

Cake   **Burgers**
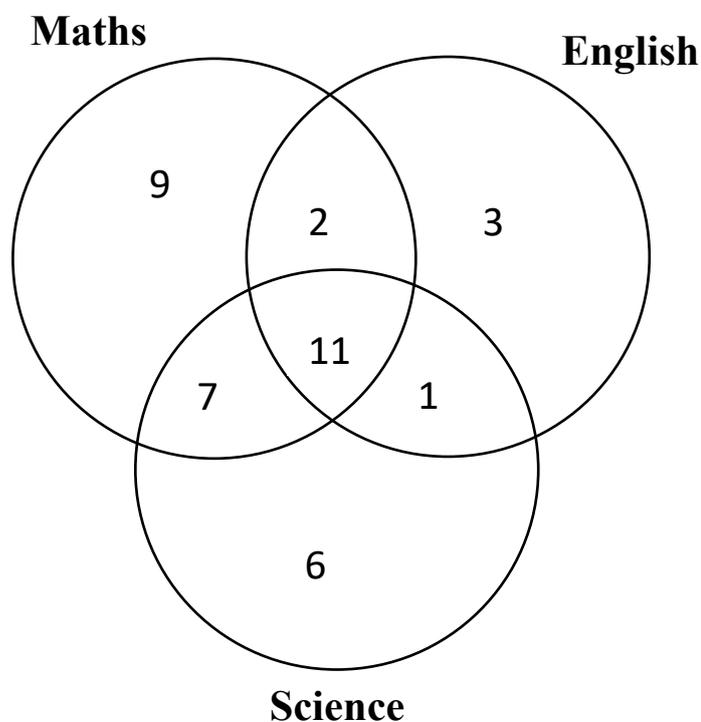
6

3   1

2

4   2

5

Hot dog

a) How many people like to **Cake**? Write your answer in the space below.

_____ people

b) How many people **do not** like to eat **Burgers**? Write your answer in the space below.

_____ people

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2. Clare investigated her classes favourite subjects. Clare asks the pupils in her class and draws the Venn Diagram below.
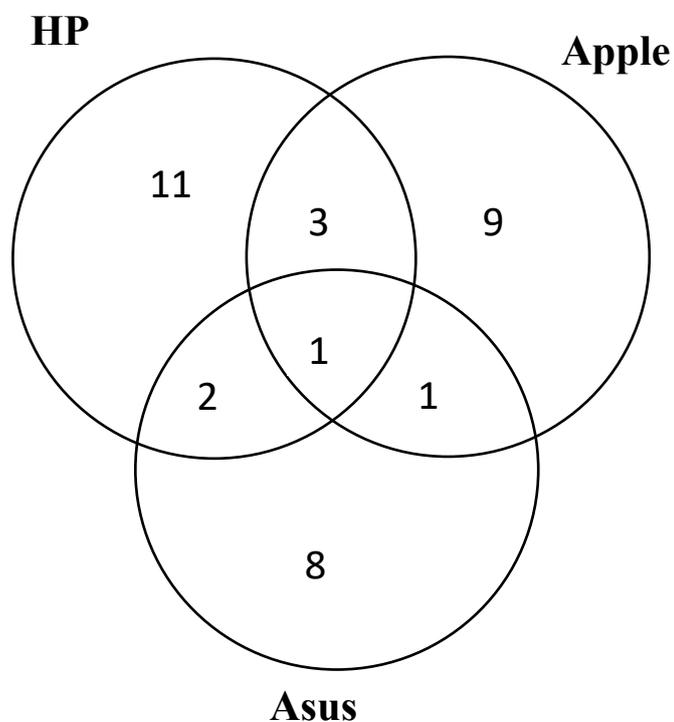

a) How many pupils like **Science**? Write your answer in the space below.

_____ pupils

b) How many pupils **do not** like **Maths**? Write your answer in the space below.

_____ pupils

3. Derek investigated the types of computers people used in his workplace.
Derek asks the people in his workplace and draws the Venn Diagram below.

HP

Apple
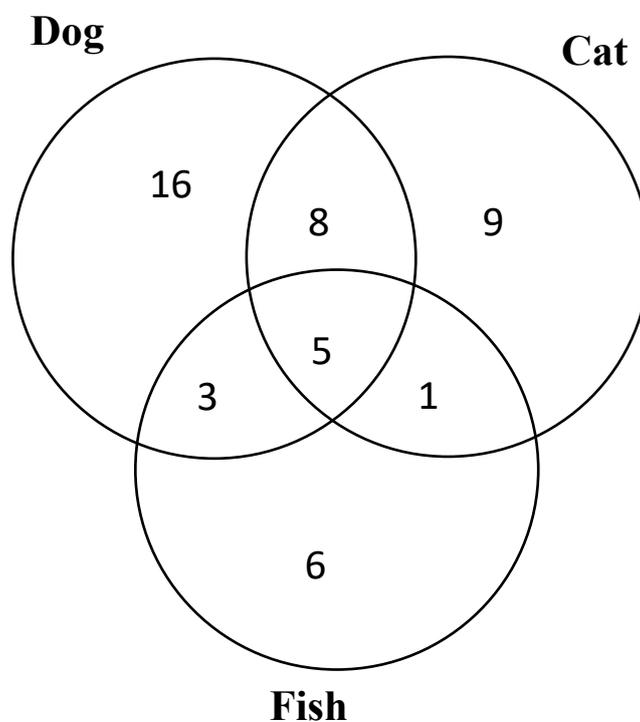
11

3

9

1

2

1

8

Asus

a) How many people use **HP**? Write your answer in the space below.

_____ people

b) How many pupils **do not** use **Apple**? Write your answer in the space below.

_____ people

4. Ruth investigated the types of animals people like. Ruth asks the people that pass by and draws the Venn Diagram below.

Dog   **Cat**

16

8   9
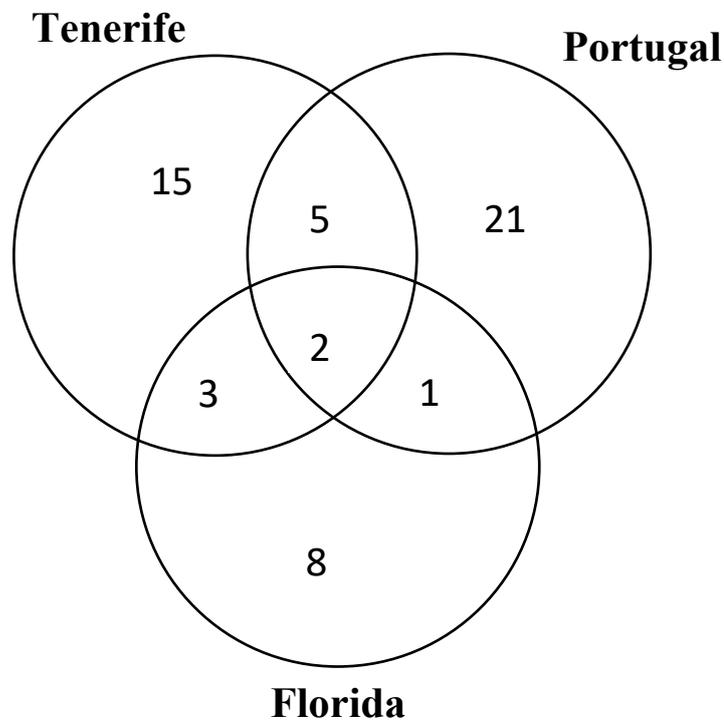
5

3   1

6

Fish

a) How many people like **dogs and fish**? Write your answer in the space below.

_____ people

b) How many pupils **do not** like **cats**? Write your answer in the space below.

_____ people

5. Max investigated peoples holiday destinations. Max asks the people on the street and draws the Venn Diagram below.

Tenerife

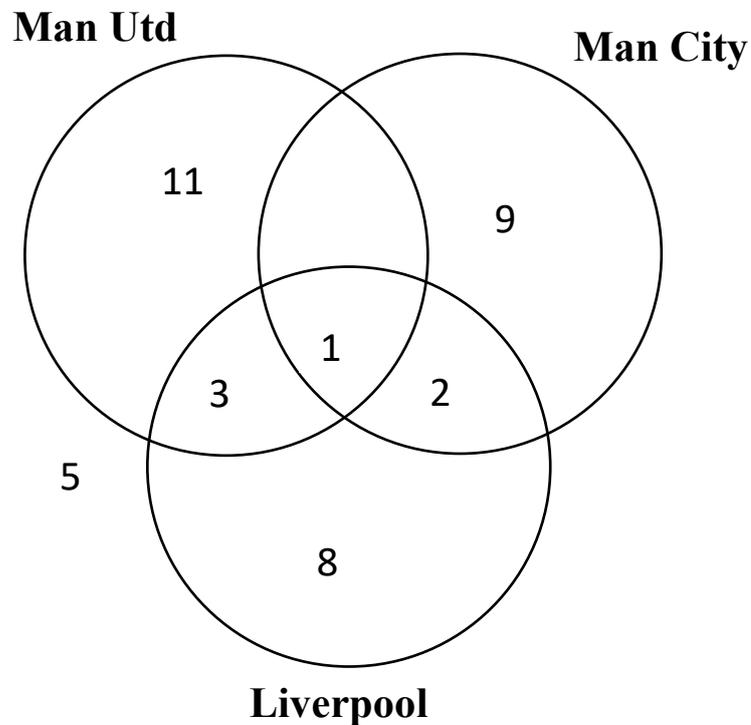**Portugal**

15

5

21

2

3

1

8

Florida

a) How many people went to **Florida and Portugal**? Write your answer in the space below.

_____ people

b) How many pupils **did not** visit **Tenerife**? Write your answer in the space below.

_____ people

6. Patrick investigated the football teams pupils supported. Patrick asks the pupils in his class and draws the Venn Diagram below.
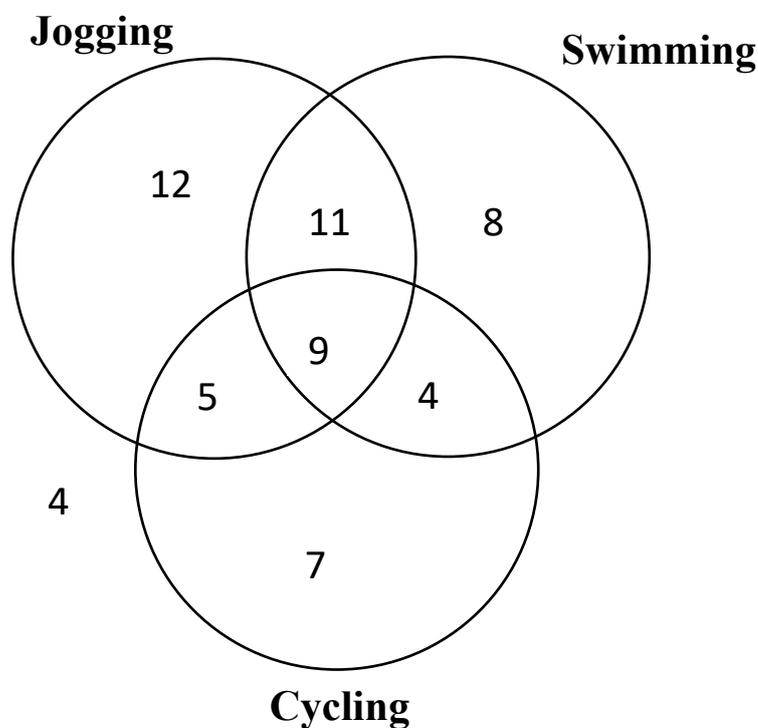

a) How many pupils support **Man Utd and Man City**? Write your answer in the space below.

_____ pupils

b) How many pupils **do not** support **Liverpool**? Write your answer in the space below.

_____ pupils

7. Isla investigated the types of exercise people like to do. Isla asks the people in Bloomfields shopping centre and draws the Venn Diagram below.
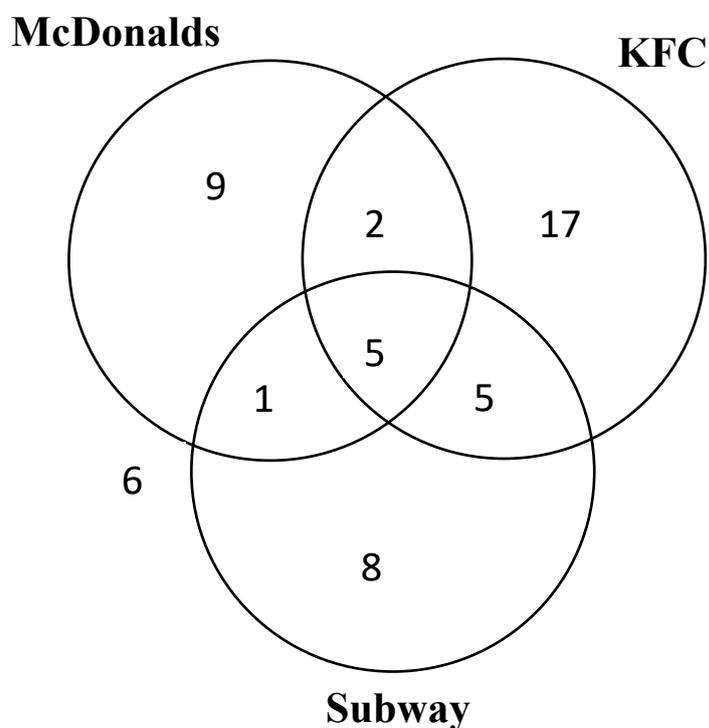

Jogging · **Swimming**

12 · 11 · 8

9

5 · 4

4

7

Cycling

a) How many people like **cycling and jogging**? Write your answer in the space below.

_____ people

b) How many pupils **do not** like **swimming**? Write your answer in the space below.

_____ people

8. Toby investigated pupil's favourite fast food shops. Toby asks the pupils in his class and draws the Venn Diagram below.

McDonalds   **KFC**

9

2   17

5
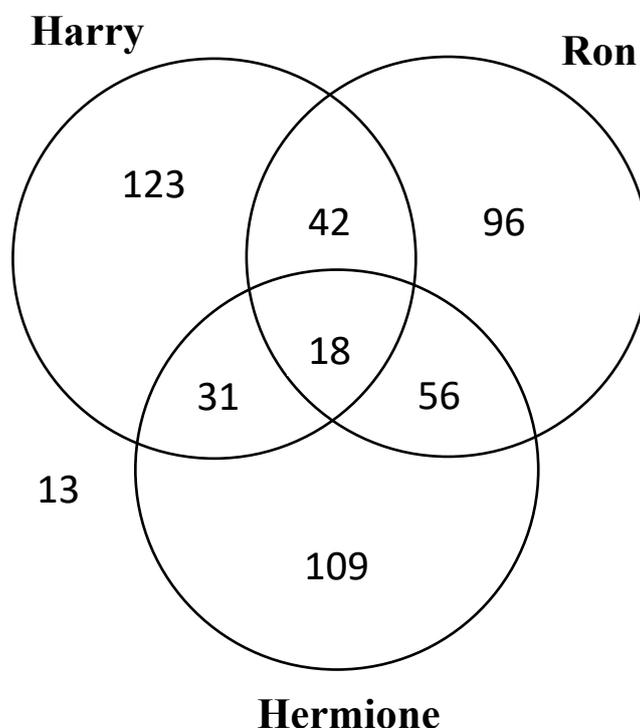
1   5

6

8

Subway

a) How many pupils like to **McDonalds and KFC**? Write your answer in the space below.

_____ pupils

b) How many pupils **do not** like **Subway**? Write your answer in the space below.

_____ pupils

9. Josh investigated his schools favourite Harry Potter character. Josh asks the pupils in his school and draws the Venn Diagram below.

Harry   **Ron**

123

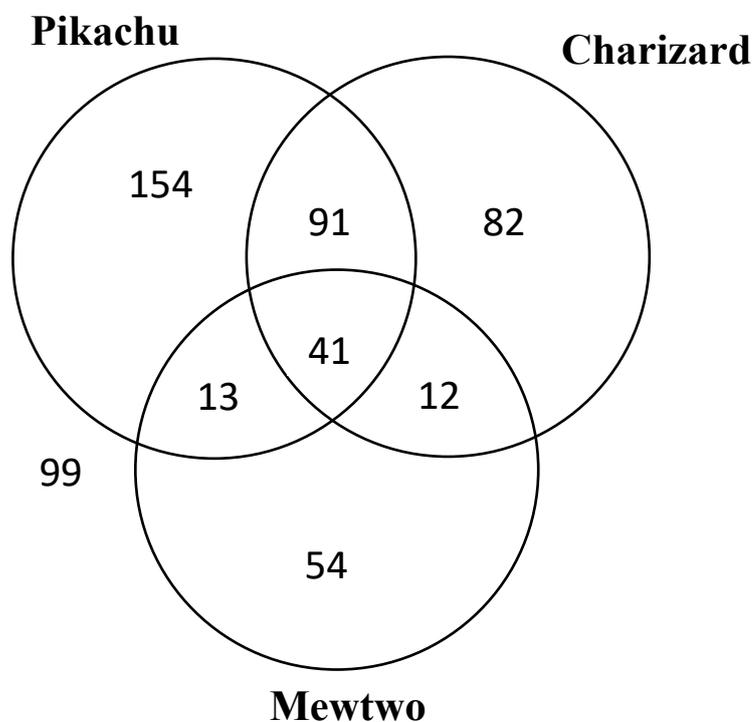42   96

18

31   56

13

109

Hermione

a) How many pupils like **Harry and Hermione**? Write your answer in the space below.

_____ pupils

b) How many pupils **do not** like **Ron**? Write your answer in the space below.

_____ pupils

10. Abbie investigated her schools favourite Pokémon character. Abbie asks the pupils in her school and draws the Venn Diagram below.
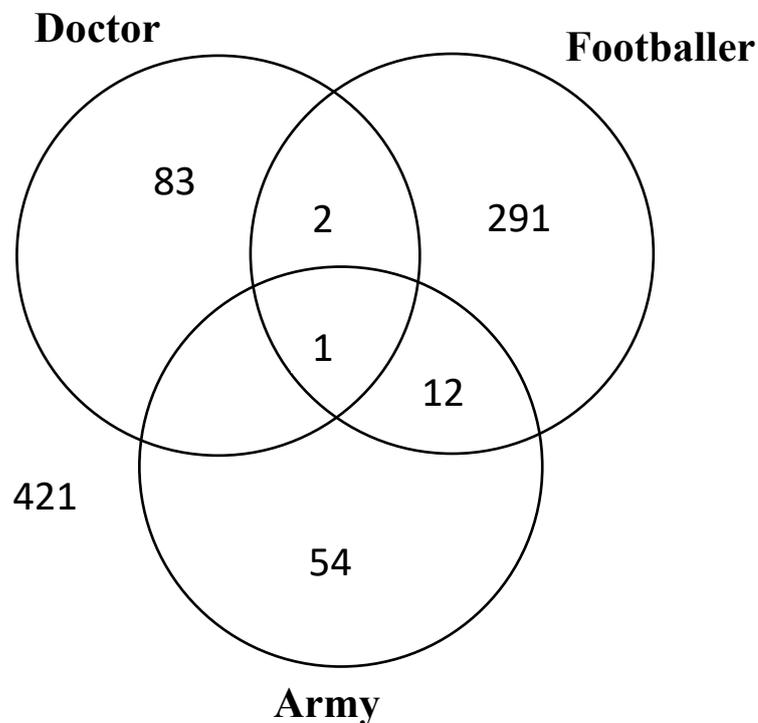

a) How many pupils like **Charizard**? Write your answer in the space below.

_____ pupils

b) How many pupils **do not** like **Pikachu**? Write your answer in the space below.

_____ pupils

11. Aaron investigated his school's future employment aspirations. Aaron asks the pupils in his school and draws the Venn Diagram below.
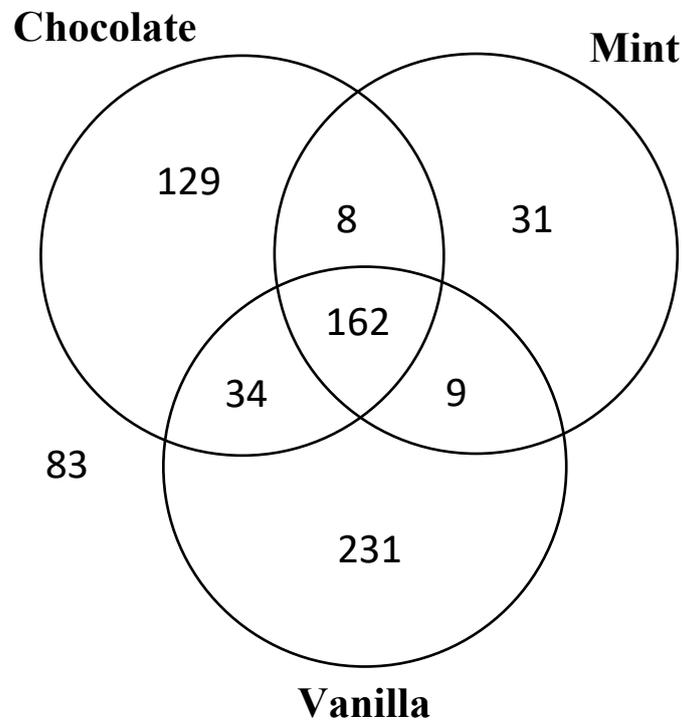

a) How many pupils wanted to be a **Footballer**? Write your answer in the space below.

_____ pupils

b) How many pupils **do not** want to join the **Army**? Write your answer in the space below.

_____ pupils

12. Izzy investigated her school's favourite ice cream. Izzy asks the pupils in her school and draws the Venn Diagram below.

Chocolate   **Mint**

129

8   31

162

34   9

83

231

Vanilla

a) How many pupils like **Mint**? Write your answer in the space below.

_____ pupils

b) How many pupils **do not** like to **Chocolate**? Write your answer in the space below.

_____ pupils

Answers

1. a) 15   b) 15
2. a) 25   b) 10
3. a) 17   b) 21
4. a) 8   b) 25
5. a) 3   b) 30
6. a) 1   b) 25
7. a) 14   b) 28
8. a) 7   b) 34
9. a) 49   b) 276
10. a) 226   b) 247
11. a) 306   b) 797
12. a) 210   b) 354