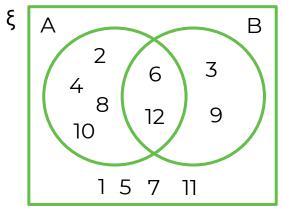
Maths



1. Here is a Venn diagram.



- a) List the members of set A
- b) List the members of set B
  - c) List the members of set  $A \cap B$

2. 
$$\xi = \{1, 2, 3, 4, 5, 6\}$$

- a) Show the information in a Venn diagram.
- b) List the members of set A ∩ B

3. What are the elements of A  $\cap$  B?

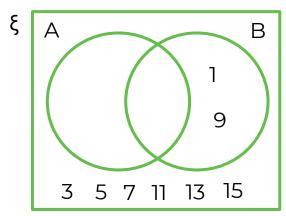
$$B = \{3, 6, 9, 12, 15, 18, 21, 24\}$$



4. Complete the Venn diagram.

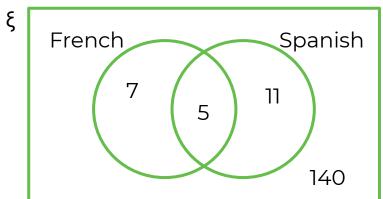
$$\xi = \{ 1 \text{ to } 16 \text{ inclusive } \}$$

$$A \cap B = \{4, 16\}$$



Which group of numbers could set B represent?

5. The diagram shows the number of students in a school who study languages.



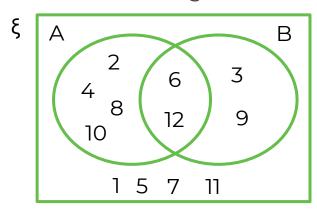
- a) How many students study French?
- b) How many students study Spanish and French?
- c) How many students don't study a language?



# **Answers**

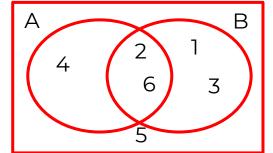


1. Here is a Venn diagram.



- a) List the members of set A A = { 2, 4, 6, 8, 10, 12}
- b) List the members of set B B = {3, 6, 9, 12}
- c) List the members of set  $A \cap B$  $A \cap B = \{6, 12\}$

2. a) Show the information in a Venn diagram. ξ A B



b) List the members of set A∩B

{ 2, 6}

3. What are the elements of A  $\cap$  B?

A = { Even numbers }

{ 6, 12, 18, 24}

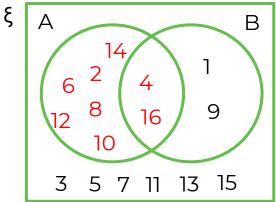
 $B = \{3, 6, 9, 12, 15, 18, 21, 24\}$ 



4. Complete the Venn diagram

$$\xi = \{1 \text{ to } 16 \text{ inclusive } \}$$

$$A \cap B = \{4, 16\}$$

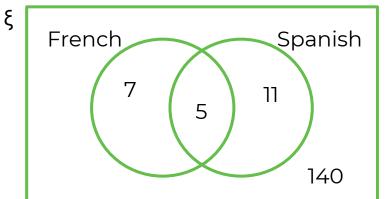


Which group of numbers could set B

represent?

Square numbers

5. The diagram shows the number of students in a school who study languages.



- a) How many students study French? 12
- b) How many students study Spanish and French? 5
- c) How many students don't study a language? 140

